

DIGITAL PUZZLES

LINES & ANGLES

GRADE
4

1. Angle BCD

2. A B
C D
Name the parallel lines.

3. E
C D
A
Name the perpendicular lines.

4. C
D B
Name the perpendicular lines.

5. Angle ABD

6. A B
C D
Name the parallel lines.

7. Line CD & Line DB

8. 2 Acute & 2 Obtuse Angles

9. Line AB & Line CD

10. 4 Right Angles

11. 3 Acute Angles

12. Describe the angles in the shape above.

13. Line AB/Line CD & Line AC/Line BD

14. Lines ED & DA, Lines DA & AC, Lines AC & CE, Lines CE & ED

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

1. Match the name to the picture. **A**

2. Match the name to the picture. **B**

3. Match the name to the picture. **B**

4. Match the name to the angle. **A**

5. Match the name to the angle. **B**

6. Match the name to the angle. **A**

7. Match the name to the type of lines. **Parallel**

8. Match the name to the type of lines. **Intersecting**

9. Match the name to the type of lines. **Perpendicular**

10. Match the name to the angle. **Acute**

11. Match the name to the angle. **Right**

12. Match the name to the angle. **Obtuse**

Answer tiles: Parallel, Obtuse, Ray AB, Intersecting, Right, Angle ABC, Point A, Angle EFG, Acute, Perpendicular, Line Segment AB.

3 PUZZLES:

- ✓ **EASY**
- ✓ **MEDIUM**
- ✓ **HARD**

1. Name the acute angle. **A**

2. Name the parallel lines. **A**

3. Name the perpendicular lines. **E**

4. Name the perpendicular lines. **C**

5. Name the obtuse angle. **E**

6. Name the parallel lines. **A**

7. How many sets of parallel lines does this shape have? **1**

8. How many sets of parallel lines does this shape have? **0**

9. How many sets of parallel lines does this shape have? **2**

10. Describe the angles in the shape above. **2 Acute & 2 Obtuse Angles**

11. Describe the angles in the shape above. **4 Right Angles**

12. Describe the angles in the shape above. **3 Acute Angles**

Answer tiles: Line CD & Line DB, 2 Acute & 2 Obtuse Angles, Line AB & Line CD, 4 Right Angles, Angle BCD, Line AB/Line CD & Line AC/Line BD, 4, Lines ED & DA, Lines DA & AC, Lines AC & CE, Lines CE & ED, 3 Acute Angles, Angle ABD.

1. How many right angles are in the shape above? **1**

2. How many obtuse angles are in the shape above? **8 Obtuse Angles**

3. How many acute angles are in the shape above? **3**

4. Describe the angles of the shape above. **Right**

5. Describe the angles of the shape above. **Acute**

6. Describe the angles of the shape above. **2 Acute & 2 Obtuse Angles**

7. How many sets of perpendicular sides does this shape have? **4**

8. How many sets of parallel sides does this shape have? **4 Right Angles**

9. How many sets of parallel sides does this shape have? **Obtuse**

10. What type of angles is this shape made of? **2 Acute & 2 Obtuse Angles**

11. What type of angles is this shape made of? **4 Right Angles**

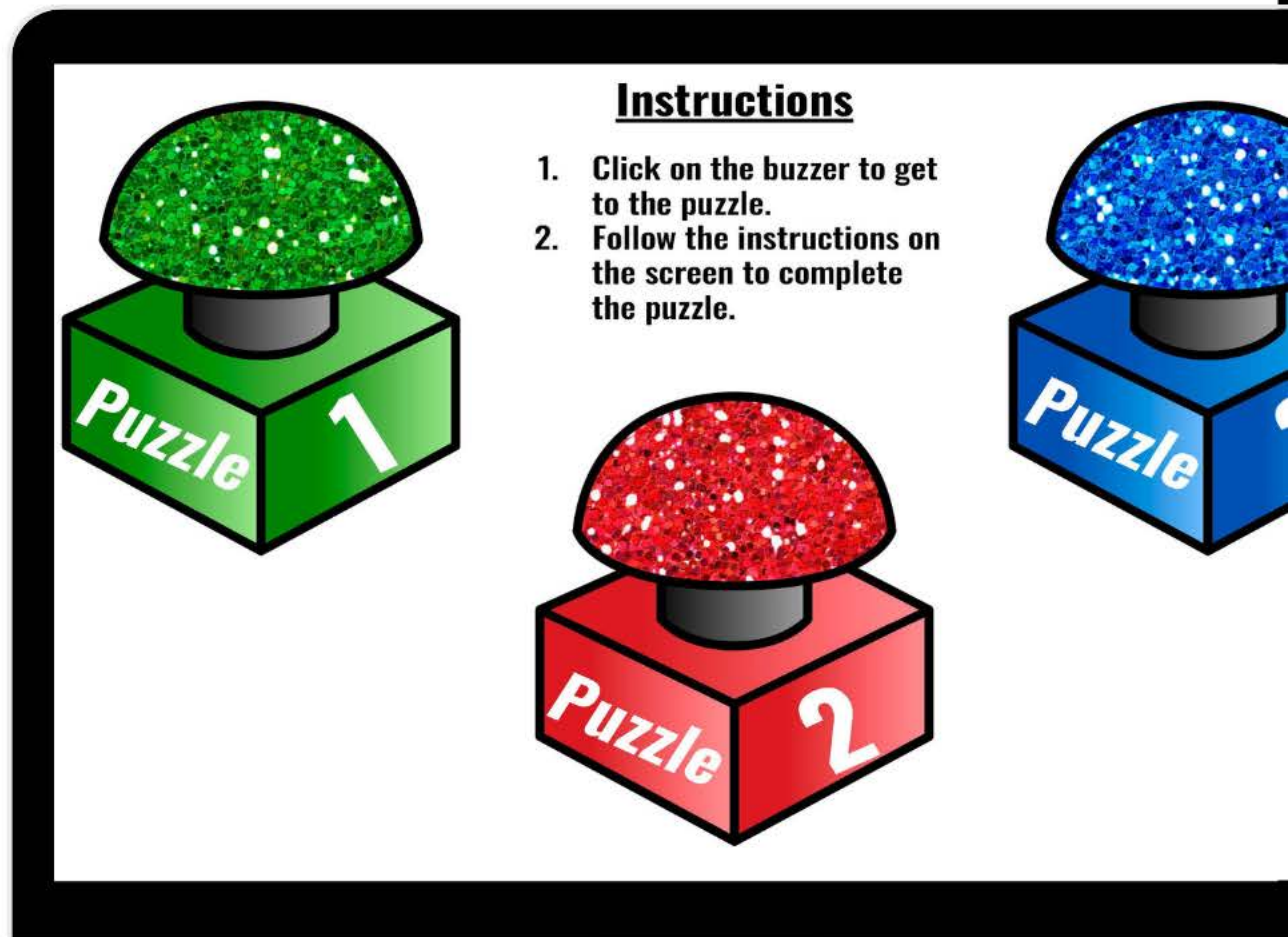
12. What type of angles is this shape made of? **Obtuse**

Answer tiles: 8 Obtuse Angles, Right, Acute, 2 Acute & 2 Obtuse Angles, 4 Right Angles, Obtuse.

INCLUDES:

- ✓ 3 NO PREP, SELF-CHECKING PUZZLES
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- ✓ ANSWER KEYS
- ✓ EMAIL SUPPORT

PARTNER WORK
SMALL GROUPS
CENTERS
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1:1 CLASSROOMS
DISTANCE LEARNING



Fun & Engaging Practice!

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RESOURCE!"



DIGITAL PUZZLES

2D SHAPES

GRADE

4

2. Match the name to the shape.

3. Match the name to the shape.

Equilateral Triangle

Scalene Triangle

5. Match the name to the shape.

Square

Rhombus

9. Match the name to the shape.

Parallelogram

Trapezoid

Isosceles Triangle

Right Triangle

10. Match the name to the shape.

Hexagon

Octagon

Rectangle

Check



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1. Match the name to the shape.

2. Match the name to the shape.

3. Match the name to the shape.

4. Match the name to the shape.

5. Match the name to the shape.

6. Match the name to the shape.

7. Match the name to the shape.

8. Match the name to the shape.

9. Match the name to the shape.

10. Match the name to the shape.

11. Match the name to the shape.

12. Match the name to the shape.

Octagon

Equilateral Triangle

Parallelogram

Rhombus

Trapezoid

Hexagon

Isosceles Triangle

Right Triangle

Pentagon

Scalene Triangle

Rectangle

Square

Check

3 PUZZLES:

- ✓ **EASY**
- ✓ **MEDIUM**
- ✓ **HARD**

TWO-DIMENSIONAL SHAPES PUZZLE 3

Solve each problem. Find the puzzle piece with the correct answer. Place the answer piece on top of the matching problem box. Click "check" at the bottom to check your answers when you're done.

1. Match the attributes to the shapes.	2. Match the attributes to the shapes.	3. Match the attributes to the shapes.
4. Match the attributes to the shapes.	5. Match the attributes to the shapes.	6. Match the attributes to the shapes.
7. Match the attributes to the shapes.	8. Match the attributes to the shapes.	9. Match the attributes to the shapes.
10. Match the attributes to the shapes.	11. Match the attributes to the shapes.	12. Match the attributes to the shapes.

Only one set of parallel sides

Three unequal sides

Three sides, two are congruent

More than two sets of parallel sides

Two sets of parallel sides and two sets of congruent sides

Four right angles

One right angle

Two sets of parallel sides and no right angles

Quadrilaterals with no parallel sides

Non-polygon

Three congruent sides

Four congruent sides

Check

TWO-DIMENSIONAL SHAPES PUZZLE 2

Solve each problem. Find the puzzle piece with the correct answer. Place the answer piece on top of the matching problem box. Click "check" at the bottom to check your answers when you're done.

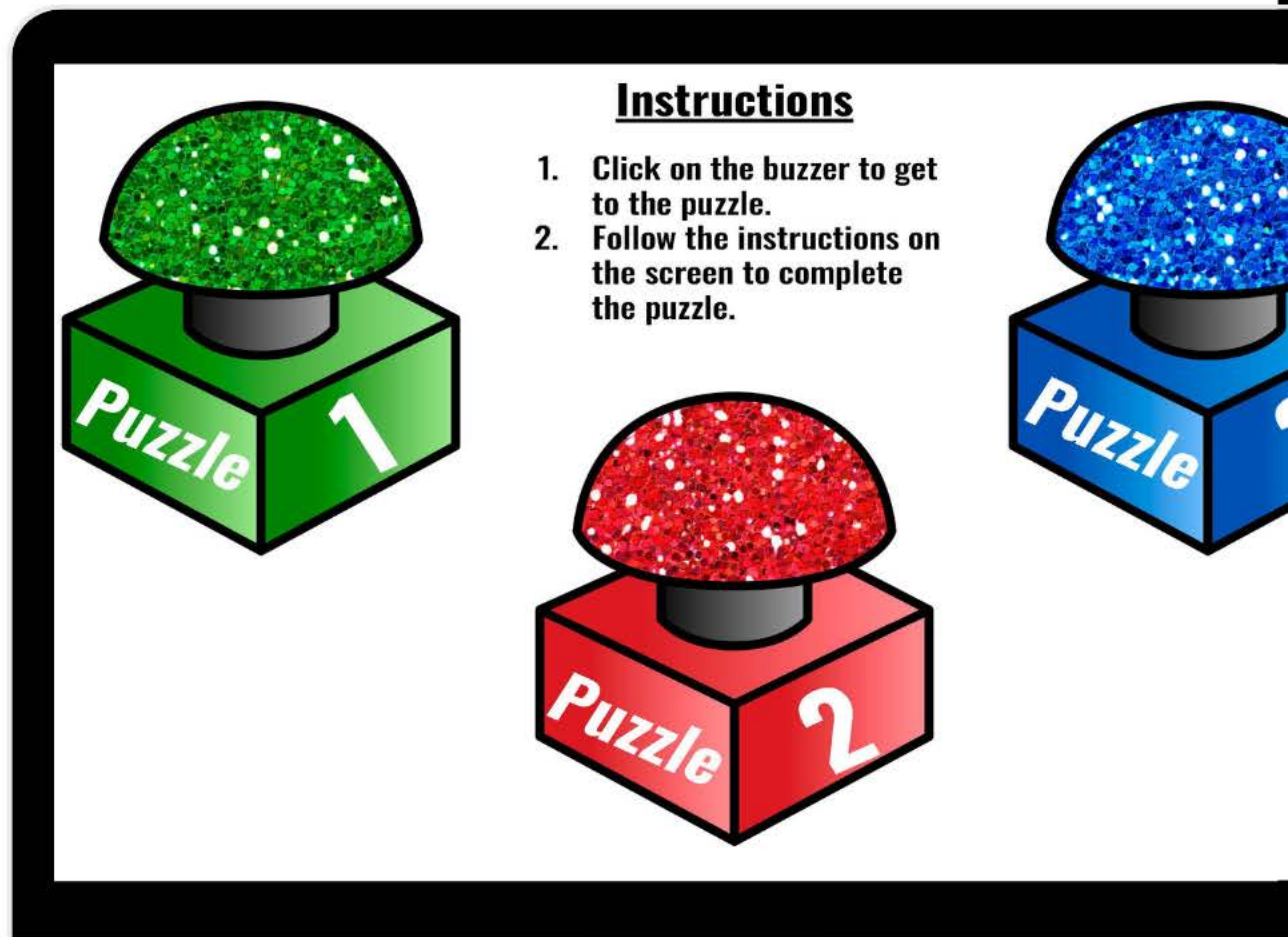
1. A three-sided shape where all three sides are equal in length	2. A three-sided shape where two of the sides are equal in length	3. A three-sided shape that contains a 90° angle
4. A three-sided shape where all three sides are different in length	5. A quadrilateral that does not have 90° angles, has two sets of parallel sides, and all sides are equal in length	6. A quadrilateral that has two sets of parallel sides, four 90° angles, and all sides are equal in length
7. A quadrilateral that has two sets of parallel sides and two sets of congruent sides	8. A quadrilateral that has one set of parallel lines	9. A quadrilateral that has two sets of parallel sides, two sets of congruent sides, and four 90° angles
10. A polygon with five sides	11. A polygon with six sides	12. A polygon with eight sides

Check

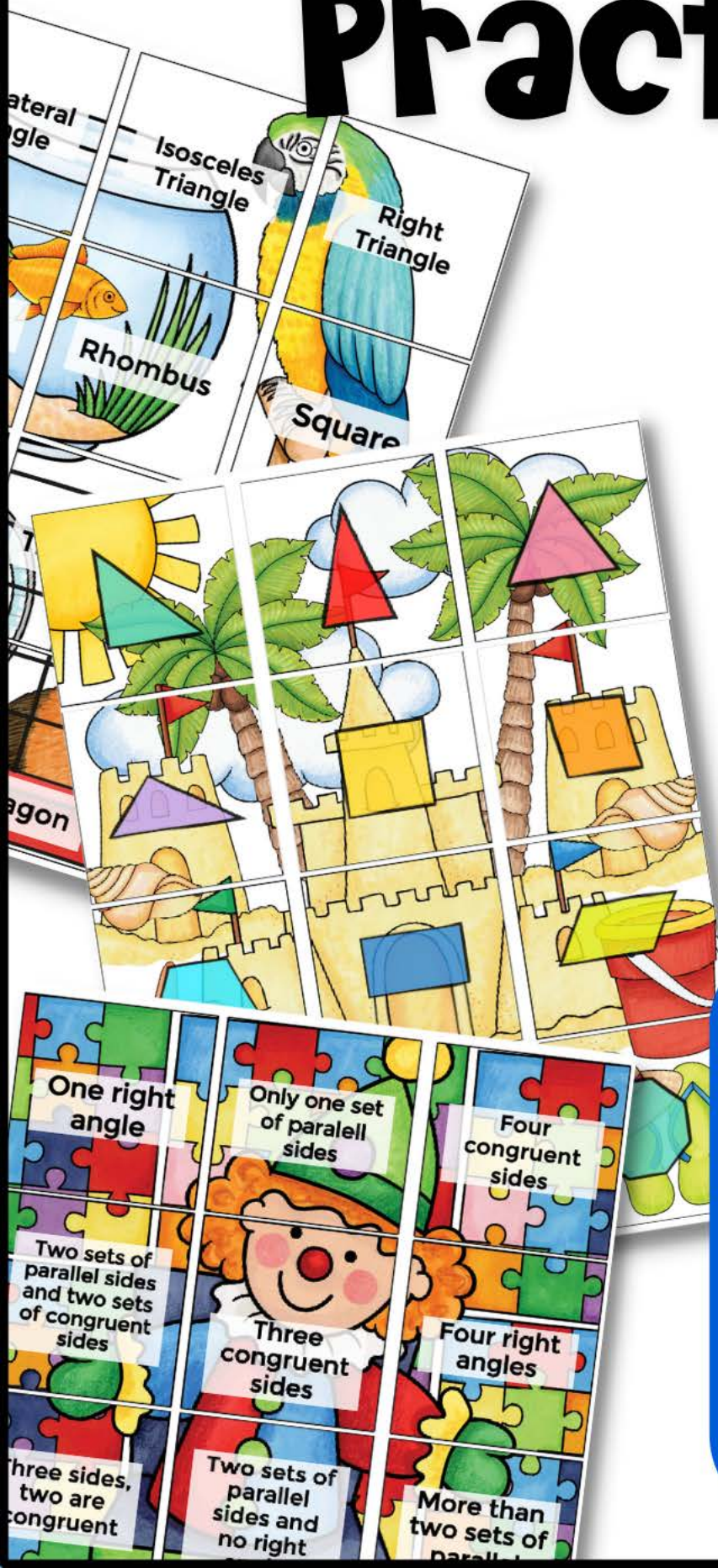
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DIGITAL PUZZLES

MEASUREMENT CONVERSIONS

GRADE

4

1. Convert to inches.
3 feet
24 inches
120 inches

2. Convert to feet.
2 yards
12 feet
6 feet

3. Convert to minutes.
4 hours
240 minutes

4. Convert to feet.
8 yards
72 feet

5. Convert to cm.
6 meters
600 cm

6. Convert to minutes.
120 minutes
2 hours

7. Convert to hours.
180 minutes
3 hours

8. Convert to feet.
36 inches
3 feet

9. Convert to cm.
900 cm
9 meters

10. Convert to minutes.
240 minutes
4 hours

11. Convert to feet.
24 feet
2 yards

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

1. Convert to inches. 2. Convert to inches. 3. Convert to inches.
3 feet 2 feet 10 feet

4. Convert to minutes. 5. Convert to minutes. 6. Convert to minutes.
2 hours 3 hours 4 hours

7. Convert to feet. 8. Convert to feet. 9. Convert to feet.
2 yards 4 yards 8 yards

10. Convert to cm. 11. Convert to cm. 12. Convert to cm.
3 meters 6 meters 9 meters

180 minutes 240 minutes 24 inches
600 cm 300 cm 120 minutes
36 inches 12 feet 900 cm
6 feet 120 inches 24 feet

Check

- 3 PUZZLES:
- ✓ EASY
 - ✓ MEDIUM
 - ✓ HARD

1. Convert to ounces. 2. Convert to ounces. 3. Convert to ounces.
3 1/2 pounds 3 pounds 1/2 pound

4. Convert to seconds. 5. Convert to seconds. 6. Convert to seconds.
4 minutes 9 1/2 minutes 10 minutes

7. Convert to kilograms. 8. Convert to kilograms. 9. Convert to kilograms.
47,000 grams 11,000 grams 2,000 grams

10. Convert to mL. 11. Convert to mL. 12. Convert to mL.
4 liters 12 liters 27 liters

2 kg 47 kg 240 seconds
12,000 mL 56 ounces 11 kg
8 ounces 4,000 mL 600 second
570 seconds 27,000 mL 48 ounces

Check

1. Convert to feet. 2. Convert to feet. 3. Convert to feet.
96 inches 60 inches 132 inches

4. Convert to hours. 5. Convert to hours. 6. Convert to hours.
300 minutes 480 minutes 720 minutes

7. Convert to yards. 8. Convert to yards. 9. Convert to yards.
36 feet 27 feet 39 feet

10. Convert to km. 11. Convert to km. 12. Convert to km.
8,000 meters 10,000 meters 12,000 meters

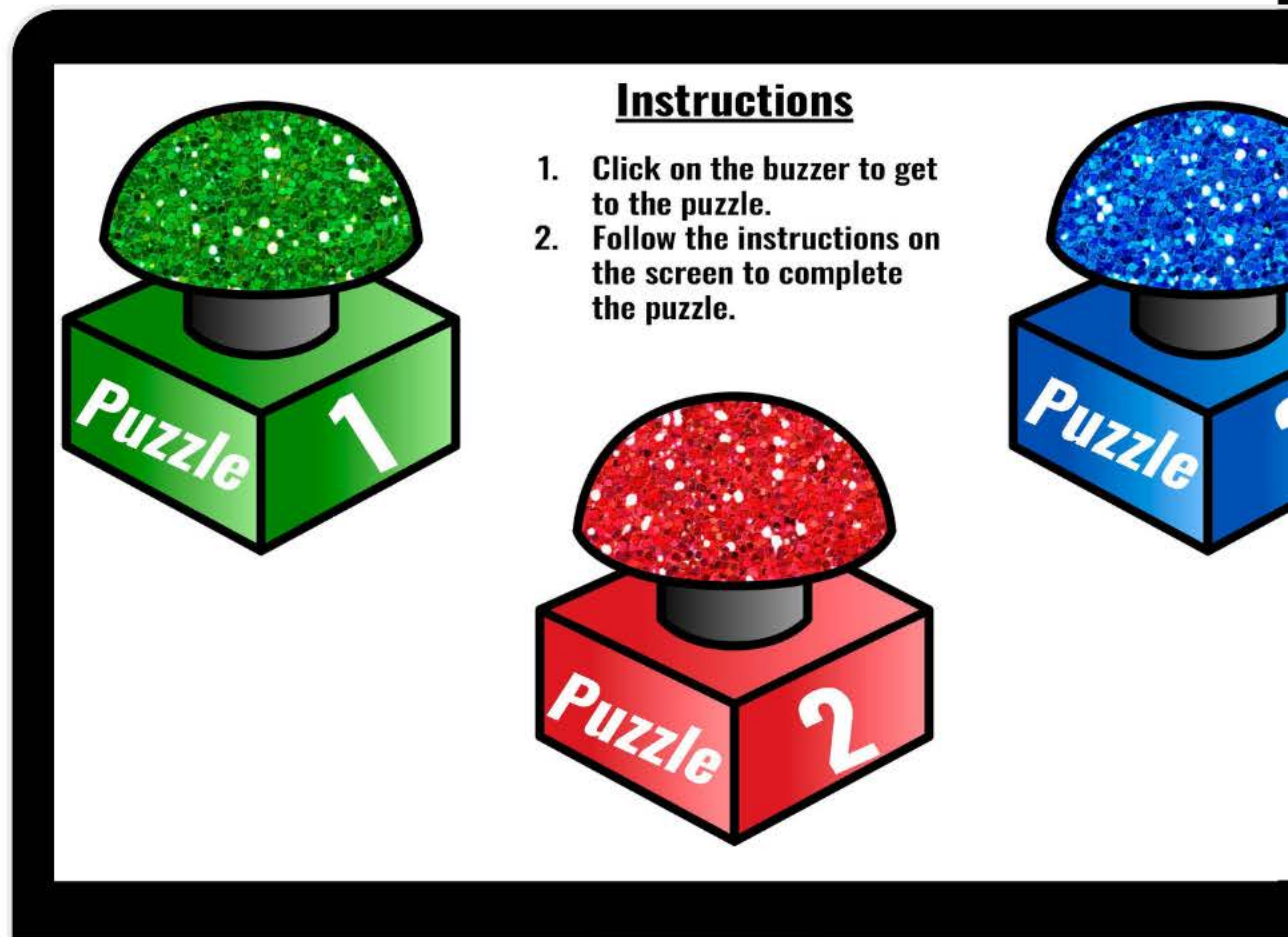
5 feet 12 yards 13 yards
12 hours 12 km 5 hours
8 km 11 feet 10 km
9 yards 8 feet 8 hours

Check

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DIGITAL PUZZLES

RELATIVE MEASUREMENT

GRADE
4

1. Angie's shadow measured 60 inches and her sister's measured 3 feet. How many feet taller is Angie's shadow than her sister's?

2. Savannah made 75 bracelets. Each bracelet took her 2 minutes to make. How much time did she spend making bracelets?

3. Jeremy practiced baseball for 70 minutes on Saturday and 4 hours on Sunday. How many minutes did he practice altogether?

4. A quart of paint costs 475 cents. Raelynn needs 2 quarts of paint for a project. She has \$10. How much money will she have left after she buys the paint?

5. Alan had 750 centimeters of string for a craft he was making. The directions say that you need 9 meters of string. How many centimeters of string does he still need?

6. 2.5 hours

7. 150 cm

8. 310 minutes

9. \$0.50

10. 2 feet

11.5 feet

275 minutes

60 minutes

\$0.80

\$0.95

125 cm

725 cm

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

3 PUZZLES:
 ✓ EASY
 ✓ MEDIUM
 ✓ HARD

1. Stacey measured 48 inches at the doctor and her brother measured 3 feet tall. How many feet taller is Stacey than her brother?	2. Karl jumped 4 feet high in gym class while Nila jumped 60 inches high. How many feet did they jump altogether?	3. Fabinn has 36 inches of blue ribbon and Collin has 2 feet of red ribbon. How many feet of ribbon do they have in all?
4. Jeremiah studied for 60 minutes on Saturday and 2 hours on Sunday. How many minutes did he study altogether?	5. Jackson volunteered at the animal shelter for 90 minutes and his brother volunteered for 3 hours. How many more minutes did Jackson's brother volunteer for?	6. The Smiths drove for 45 minutes on Friday night, 30 minutes on Saturday, and 1 hour on Sunday. How many minutes did they drive altogether?
7. Audrina bought 21 feet of fabric to make a quilt. She only needed 6 yards of fabric. How many extra yards did she buy?	8. Doug ran 40 yards in gym class and 15 feet at recess. How many yards did he run altogether?	9. Joel and his mom are making blankets for presents and each bought 5 yards of fabric. His mom already had 12 feet of fabric in the house. How many yards do they have altogether?
10. Adam and his lab partner measured 300 cm of string for an experiment. The lab calls for 5 meters of string. How many cm of string do they need?	11. Sarah found a snake that was 7 meters long. The next day she found one that was 650 centimeters long. How many centimeters longer was the first snake she found?	12. Riley created a painting that was 6 meters tall. The wall space she has available to hang it is 875 centimeters tall. How much extra space (in centimeters) does she have?

[Check](#)

1. Angie's shadow measured 60 inches and her sister's measured 3 feet. How many feet taller is Angie's shadow than her sister's?	2. Kristina jumped over a 5.5 feet high pile of dirt. Nina jumped over a pile that was 72 inches high. How many feet did they jump altogether?	3. Savannah made 75 bracelets. Each bracelet took her 2 minutes to make. How much time did she spend making bracelets?
4. Jeremy practiced baseball for 70 minutes on Saturday and 4 hours on Sunday. How many minutes did he practice altogether?	5. Jack played guitar for 120 minutes and his brother played for 3 hours. How many more minutes did Jack's brother play guitar for?	6. The Jones' played games for 90 minutes on Friday night, 35 minutes on Saturday, and 2 1/2 hours on Sunday. How many minutes did they play games altogether?
7. Allie brought 345 cents to buy ice cream. She only needs \$2.50 for an ice cream cone. How much extra money did she bring?	8. Damian bought 4 pounds of strawberries. One pound of strawberries costs 230 cents. He gave the cashier a \$10.00 bill. How much change will he get back?	9. A quart of paint costs 475 cents. Raelynn needs 2 quarts of paint for a project. She has \$10. How much money will she have left after she buys the paint?
10. Alan had 750 centimeters of string for a craft he was making. The directions say that you need 9 meters of string. How many centimeters of string does he still need?	11. Sloan found a plant that was 5 meters tall. The next day she found one that was 625 centimeters tall. How many centimeters taller was the second plant she found?	12. Mrs. Talley and Mrs. Cortez are preparing an activity for their students. Each teacher had 3 meters of yarn. Mrs. Talley bought 125 cm of yarn the next day. How many cm of yarn do they have altogether?

[Check](#)

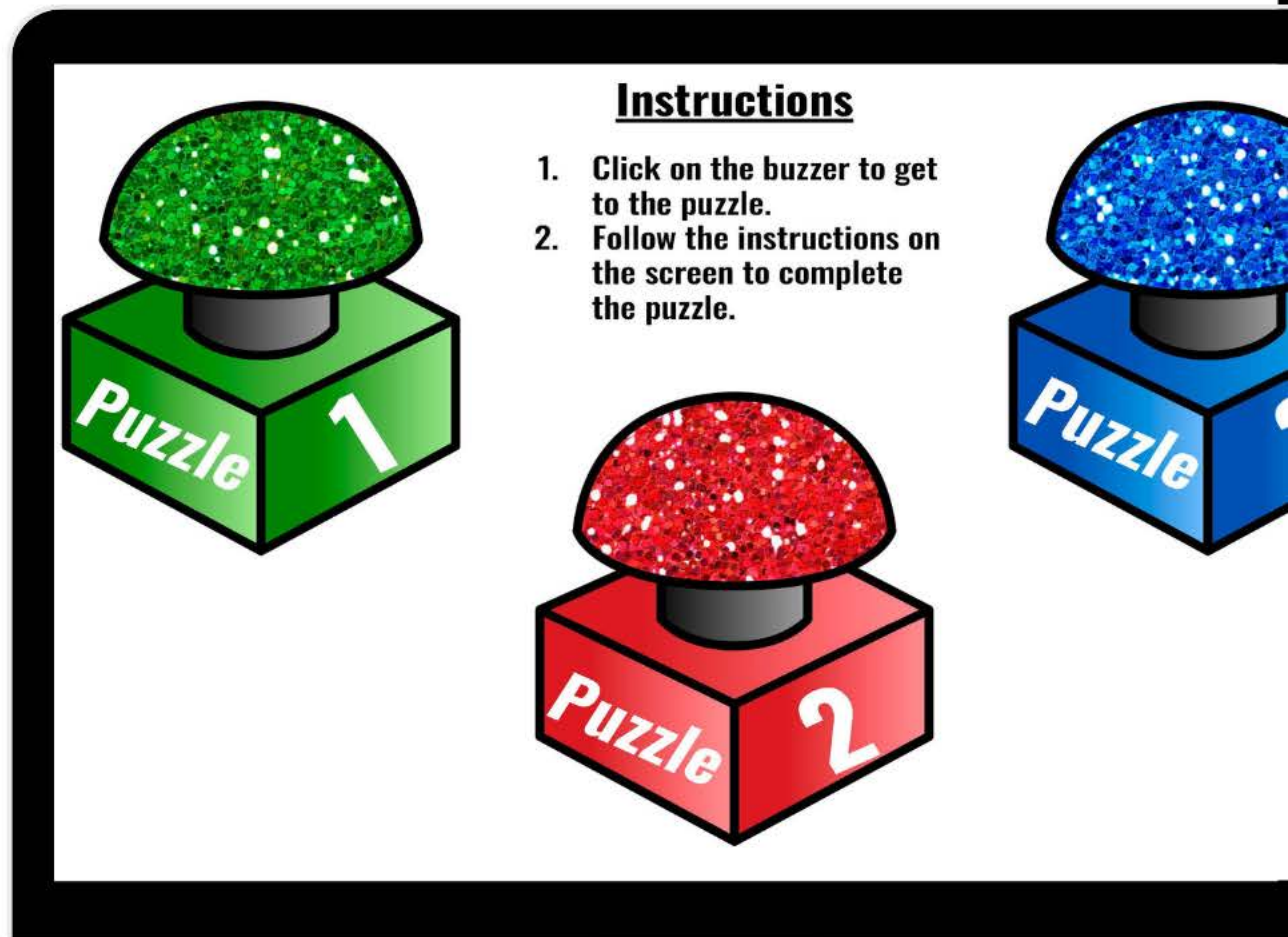
1. Sarah has 1 1/4 pound of trail mix in her hiking bag. Her brother has 2 pounds of trail mix. How many ounces of trail mix do Sarah and her brother have altogether?	2. Kai spent \$16.50 on cherries. The cherries were exactly \$5.50 per pound. How many ounces of cherries did he buy?	3. Frank has two hamsters. One hamster weighs 3 ounces, and the other hamster weighs half a pound. How many ounces do the hamsters weigh altogether?
4. Jerry swam with a kickboard for 70 minutes and then swam without a kickboard for 1 hour. If he started swimming at 2:00 PM, what time did he finish swimming?	5. Jake started playing video games at 11:00 AM. He played a football video game for 200 minutes. Then he played a basketball video game for 2 hours. What time was it when he stopped playing video games?	6. Jalen ran on a treadmill for 45 minutes. Then he lifted weights for 95 minutes. If he started exercising at 1:00 PM, what time did he finish exercising?
7. Alexis bought 24 feet of fabric to make a Halloween costume. She only needed 5 1/2 yards of fabric. How many extra yards did she buy?	8. Drake ran 360 feet on Saturday. On Sunday, he ran 1/2 that amount. How many yards did he run altogether during the weekend?	9. Jarrett and his mom are wrapping presents and they each bought 10 yards of wrapping paper. His mom already had 30 feet of wrapping paper in the house. How many yards do they have altogether?
10. Alexis measured out 350 centimeters of string for a friendship bracelet. The style she chose calls for 6.5 meters of string. How many centimeters of string does she need?	11. Sophie skipped along a path that was 4 meters long. The next day she walked on a path that was 625 centimeters long. How many centimeters longer was the second path than the first path?	12. Rachel created a yard sale sign that was 380 centimeters tall. The store window she was hanging it in is 6 1/4 meters tall. How much extra space (in centimeters) does she have?

[Check](#)

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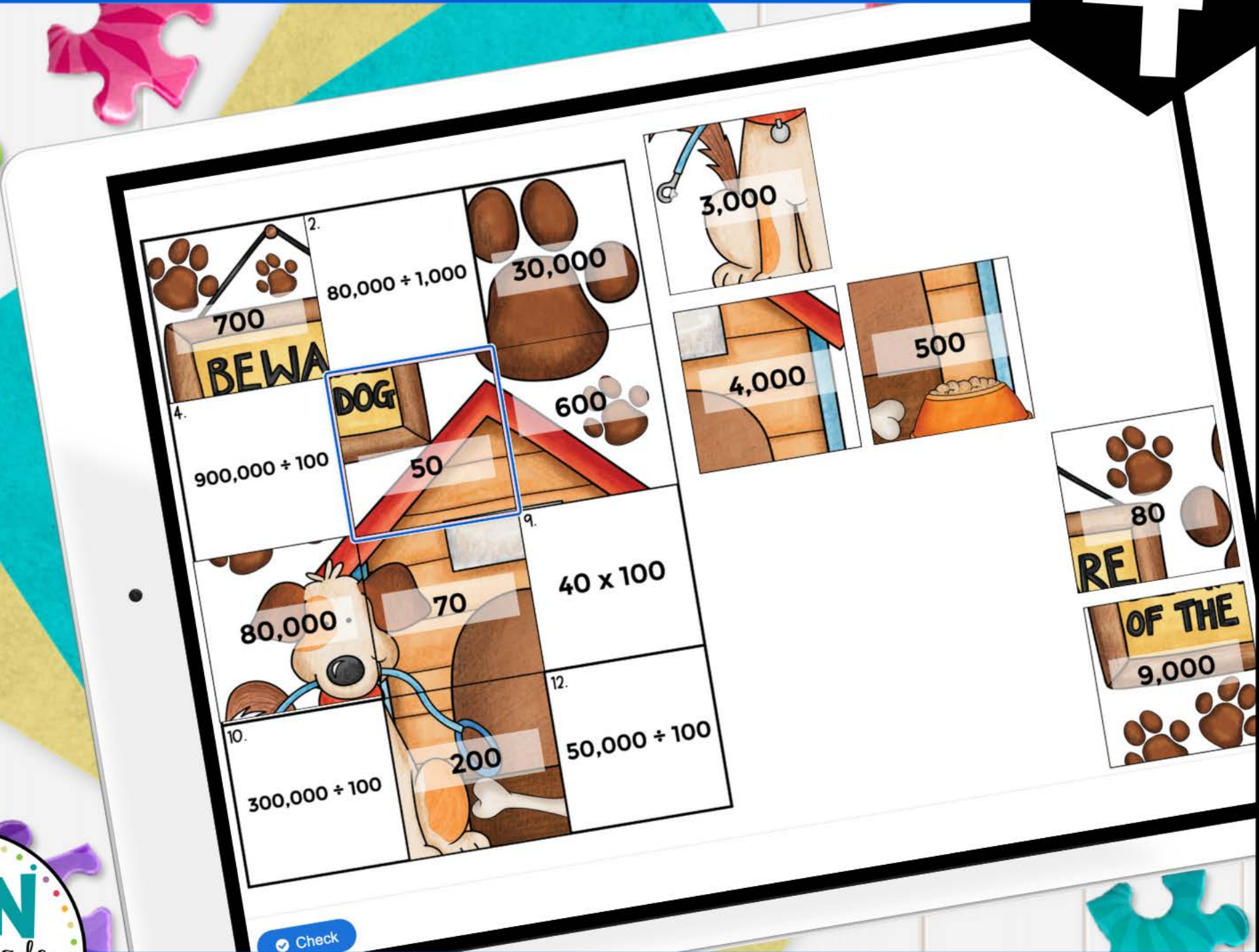


DIGITAL PUZZLES

UNDERSTANDING PLACE VALUE

GRADE

4



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

1. $8, \dots, 800, 8,000$	2. $10,000, \dots, 100, 10, 1$	3. $\dots, 20, 200, 2,000$
4. $4,000, \dots, 40, 4$	5. $3, 30, \dots, 3,000$	6. $500,000, \dots, 50,000, \dots$
7. $6, 60, 600, \dots$	8. $9,000, \dots, 90, 9$	9. $7, 70, \dots, 7,000$
10. $80,000, \dots, 800, 80$	11. $\dots, 50, 500, 5,000$	12. $6,000, \dots, 60, 6$

8,000	600	5,000
6,000	5	2
300	700	900
1,000	400	80

Check

3 PUZZLES:

- ✓ EASY
- ✓ MEDIUM
- ✓ HARD

1. 7×100	2. $80,000 + 1,000$	3. $30 \times 1,000$
4. $900,000 + 100$	5. 5×10	6. $6,000 \div 10$
7. $8 \times 10,000$	8. $700 \div 10$	9. 40×100
10. $300,000 + 100$	11. 2×100	12. $50,000 + 100$

3,000	50	200
4,000	500	70
30,000	80,000	80
700	600	9,000

Check

1. 725 Which number has a 2 whose value is 1/10 of the value of the 2 above?	2. 4,567 Which number has a 5 whose value is 10 times the value of the 5 above?	3. 31,498 Which number has a 3 whose value is 1/10 of the value of the 3 above?
4. 104,987 Which number has a 1 whose value is 1/100 of the value of the 1 above?	5. 6,157 Which number has a 7 whose value is 100 times the value of the 7 above?	6. 592 Which number has a 9 whose value is 1,000 times the value of the 9 above?
7. 60,517 Which number has a 6 whose value is 10 times the value of the 6 above?	8. 1,234 Which number has a 1 whose value is 1/1,000 of the value of the 1 above?	9. 4,708 Which number has a 4 whose value is 100 times the value of the 4 above?
10. 70,008 Which number has a 7 whose value is 1/1,000 of the value of the 7 above?	11. 507 Which number has a 5 whose value is 1/10 of the value of the 5 above?	12. 8,094 Which number has an 8 whose value is 10,000 times the value of the 8 above?

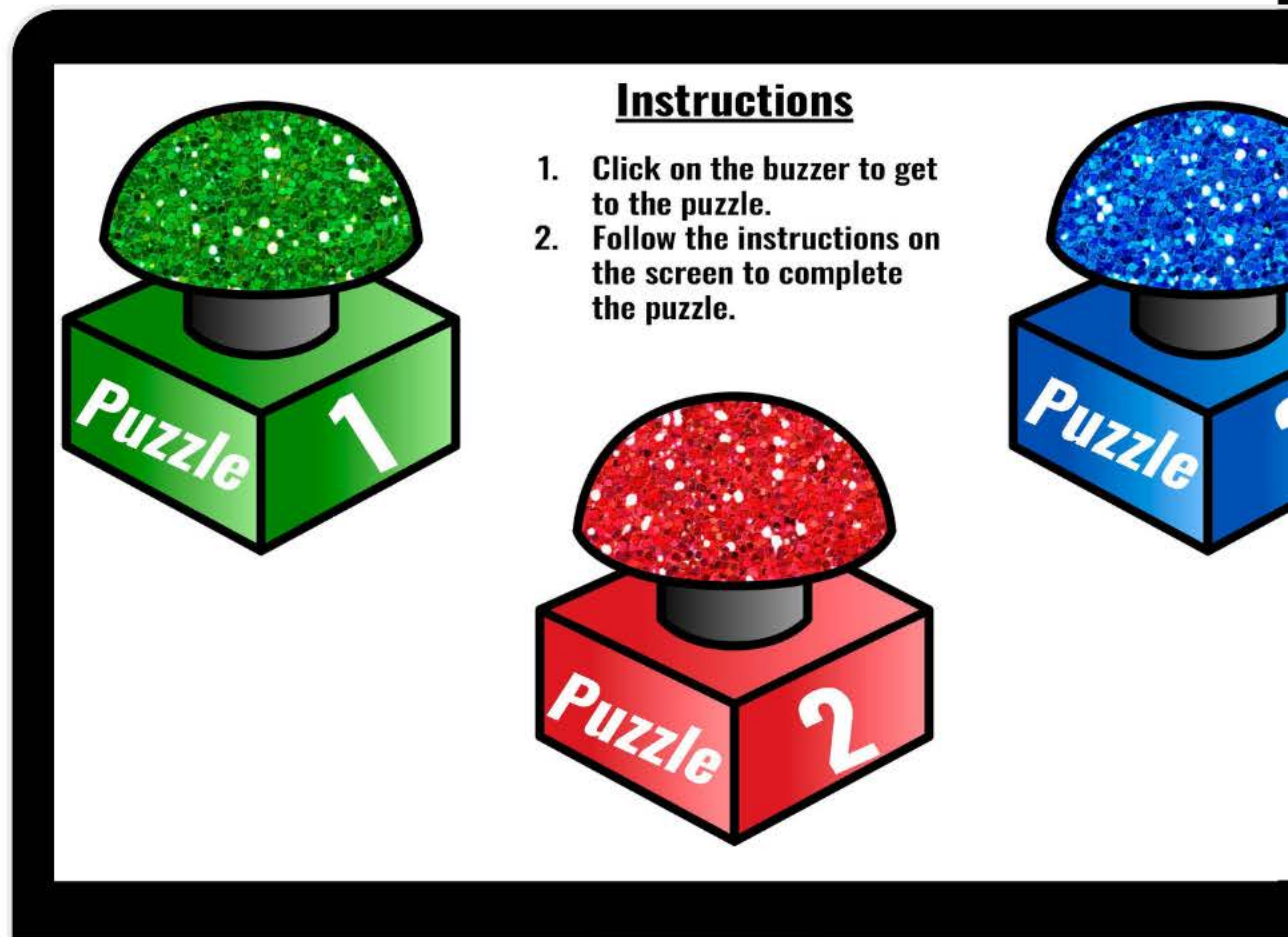
632,056	80,594	31,536
42,950	8,574	75,813
103,564	404,663	7,341
8,902	92,089	729

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"LOTS OF FUN PRACTICE OPPORTUNITIES. THE KIDS ENJOYED THE CHANGE OF PACE WITH THESE PRACTICE PUZZLES. THANK YOU."



DIGITAL PUZZLES

NUMBER FORMS

GRADE

4

SCORE CARD

111,509	60,942
20,047	27,528

3. six hundred ten

6. six hundred sixty-seven thousand, nine hundred eighty-eight

7. ninety-seven > ____

11. $129 \frac{1,000}{20 + 9} +$

610

57

667,988

BOW

SIR

KE!

210

300

>

Check



SELF-CHECKING | NO PREP

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1. $300 + 20 + 7$	2. six thousand, twenty-four	3. $5,000 + 70 + 9$
4. $10,000 + 2,000 + 500 + 20 + 7$	5. ninety-seven thousand, four hundred thirty-three	6. five hundred seventeen
7. $325 > \text{---}$	8. $97,043 < \text{---}$	9. $5,867 = \text{---}$
10. $590 \text{ --- } 509$	11. $90,546 \text{ --- } 90,546$	12. $8,765 \text{ --- } 88,765$

Check

3 PUZZLES:

- ✓ EASY
- ✓ MEDIUM
- ✓ HARD

1. one hundred nine thousand, six hundred forty	2. $90,000 + 3,000 + 200 + 8$	3. $10,000 + 6,000 + 400 + 30 + 9$
4. five hundred seventeen thousand, four hundred twenty-six	5. eight thousand, eight	6. $6,000 + 900 + 3$
7. $1,000 + 50 + 5 > \text{---}$	8. $\text{---} < \text{one thousand, three hundred}$	9. $3,000 + 40 + 5 = \text{---}$
10. nine hundred seventy-nine $\text{---} 900 + 70 + 9$	11. $20,000 + 5,000 + 600 + 10 \text{ --- } \text{twenty-five thousand, sixty}$	12. $2,000 + 60 + 4 \text{ --- } \text{twenty thousand, six hundred forty}$

Check

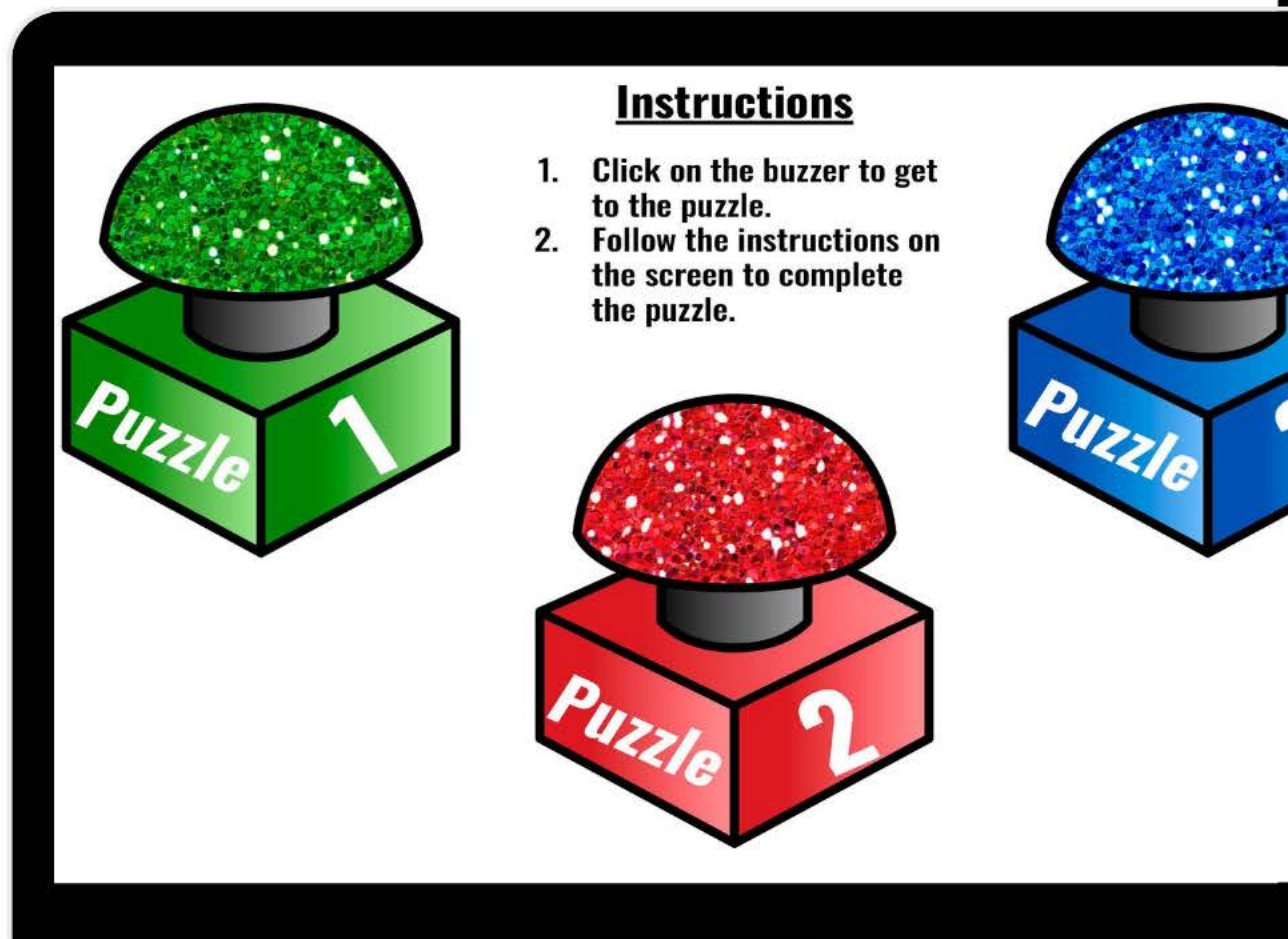
1. one hundred eleven thousand, five hundred nine	2. $60,000 + 900 + 40 + 2$	3. six hundred ten
4. twenty thousand, forty-seven	5. $20,000 + 7,000 + 500 + 20 + 8$	6. six hundred sixty-seven thousand, nine hundred eighty-eight
7. ninety-seven $> \text{---}$	8. $\text{---} < 200 + 10 + 5$	9. three hundred $= \text{---}$
10. Seven hundred $\text{---} 689$	11. $129 \text{ --- } 1,000 + 20 + 9$	12. $3,000 + 50 + 6 \text{ --- } 3,056$

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"THE STUDENTS LOVED THESE PUZZLES! THEY WERE SO MUCH FUN AND ALLOWED THEM TO PRACTICE MATHEMATICAL SKILLS."



DIGITAL PUZZLES

ROUNDING WHOLE NUMBERS

GRADE

4

1. Round 670 to the nearest hundred.

2. Round to the place of the underlined digit.
6,065

3. Round to the place of the underlined digit.
6,296

4. Round 494 to the nearest hundred.

5. Choose the number that rounds to 2,400 when rounded to the nearest hundred.

6. Round 1,287 to the nearest hundred.

7. Round 390 to the nearest hundred.

8. Round 3,940 to the nearest hundred.

9. Round 35 to the nearest hundred.

10. Round 1,700 to the nearest hundred.

11. Round 1,000 to the nearest hundred.

12. There are 4,378 students in the Franklin School District. Rounding to the nearest thousand, how many students are there?

Check



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WITH AN INTERNET CONNECTION!

Check at the bottom to check your answers when you're done.

1. Round to the place of the underlined digit. 6 <u>7</u> 3	2. Round to the place of the underlined digit. 6, <u>0</u> 65	3. Round to the place of the underlined digit. 6, <u>2</u> 96
4. Choose the number that rounds to 500 when rounded to the nearest hundred.	5. Choose the number that rounds to 2,400 when rounded to the nearest hundred.	6. Choose the number that rounds to 1,300 when rounded to the nearest hundred.
7. Round 3,940 to the nearest hundred.	8. Round 394 to the nearest ten.	9. Round 3,380 to the nearest thousand.
10. Joe has 1,679 baseball cards in his collection. Rounding to the nearest hundred, how many cards does he have? _____ cards	11. Hailey picked 993 blueberries this spring. How many blueberries did she pick when rounding to the nearest thousand? _____ blueberries	12. There are 4,378 students in the Franklin School District. Rounding to the nearest thousand, how many students are there? _____ students

Check

- ### 3 PUZZLES:
- ✓ EASY
 - ✓ MEDIUM
 - ✓ HARD

Check at the bottom to check your answers when you're done.

1. Round to the place of the underlined digit. 907, <u>8</u> 40	2. Round to the place of the underlined digit. <u>9</u> 83,076	3. Round to the place of the underlined digit. 9 <u>6</u> ,387
4. Choose the number that rounds to 460,000 when rounded to the nearest ten thousand.	5. Choose the number that rounds to 410,000 when rounded to the nearest ten thousand.	6. Choose the number that rounds to 480,000 when rounded to the nearest ten thousand.
7. Round 879,546 to the nearest ten.	8. Round 899,999 to the nearest thousand.	9. Round 80,359 to the nearest ten thousand.
10. Carly read 17,845 words this summer. How many words did Carly read, rounded to the nearest ten thousand? _____ words	11. The new football stadium has 137,082 seats. Rounding to the nearest thousand, how many people can fit in the stadium? _____ people	12. The county fair sold 182,519 tickets. Rounding to the nearest hundred, how many people will attend the fair? _____ people

Check

Check at the bottom to check your answers when you're done.

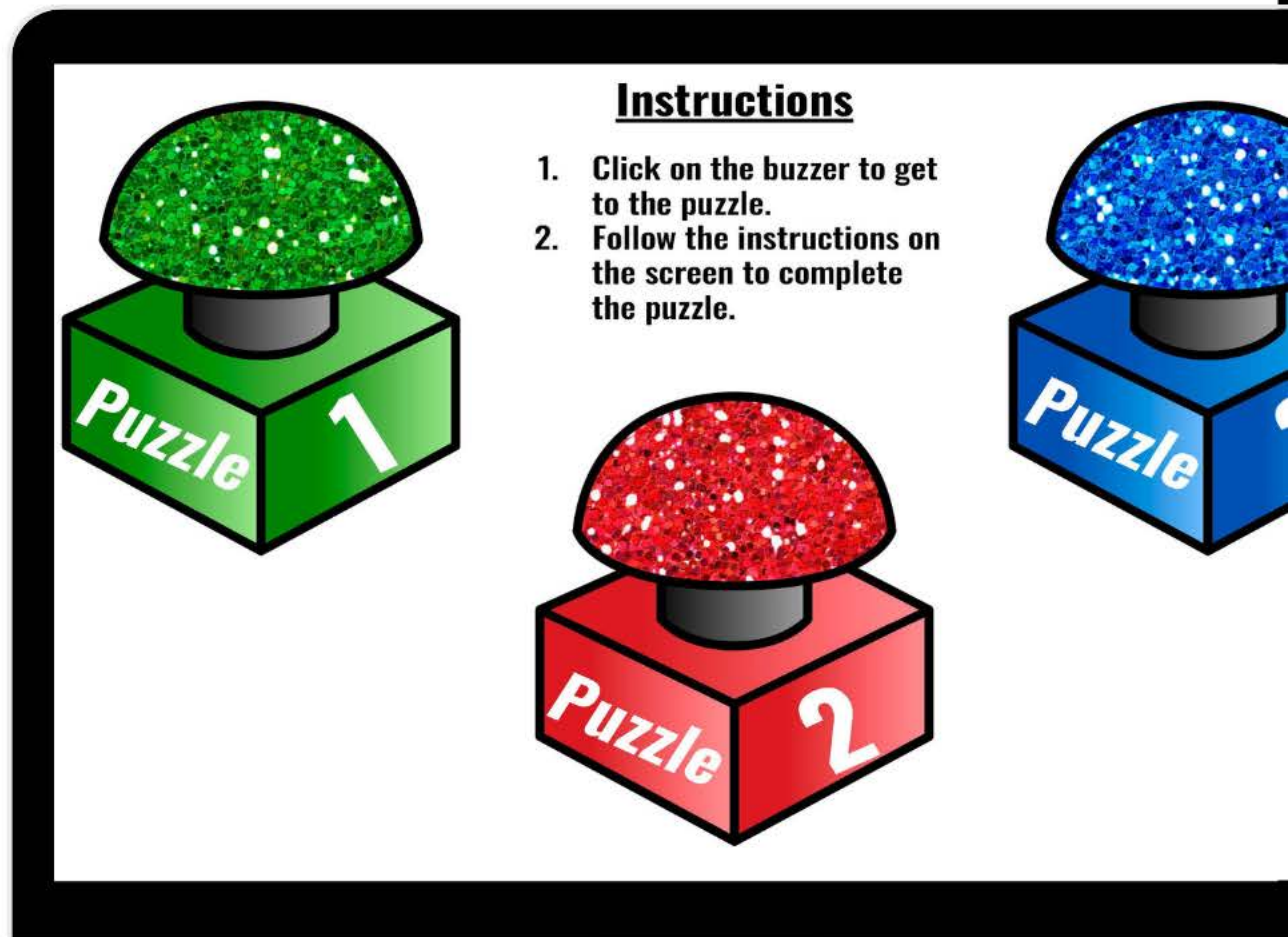
1. Round to the place of the underlined digit. 7 <u>6</u> 8	2. Round to the place of the underlined digit. 7 <u>0</u> 9,345	3. Round to the place of the underlined digit. 69, <u>9</u> 99
4. Choose the number that rounds to 36,000 when rounded to the nearest thousand.	5. Choose the number that rounds to 4,000 when rounded to the nearest thousand.	6. Choose the number that rounds to 307,000 when rounded to the nearest thousand.
7. Round 2,879 to the nearest ten.	8. Round 29,647 to the nearest thousand.	9. Round 208,045 to the nearest hundred.
10. Sam sold 390 boxes of Girl Scout cookies. Rounding to the nearest hundred, how many boxes did Sam sell? _____ boxes	11. The amusement park sold 387,640 hot dogs last summer. How many hot dogs did they sell when rounded to the nearest ten thousand? _____ hot dogs	12. Carl's Pumpkin Stand sold 3,076 pumpkins in October. Rounding to the nearest thousand, how many pumpkins did they sell? _____ pumpkins

Check

INCLUDES:

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1:1 CLASSROOMS
DISTANCE LEARNING



Fun & Engaging Practice!

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**"EXCELLENT
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DIGITAL PUZZLES

ADD/SUBTRACT WHOLE NUMBERS

GRADE

4

57,965

2. $245,876 + 14,950$

356,884

4. $70,987 - 23,487$

13,919

3,599

1,149

14,161

7. Scott sold three vehicles this month. He sold a blue car for \$21,563, a red truck for \$18,479, and a van for \$7,099. What is the total of all three vehicles? \$ _____

33,050

9. Jose washed 9,876 cars and Olivia washed 4,285. How many did they wash altogether? _____ cars

22,337

14,156

12. Emily saved \$19,805 this summer. If she spends \$13,287 on a car and \$5,369 on a vacation, how much money will she have leftover? \$ _____

47,500

260,826

47,141

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!











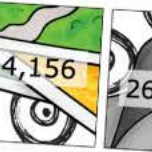

- 3 PUZZLES:
- ✓ EASY
- ✓ MEDIUM
- ✓ HARD

Check at the bottom to check your answers when you're done.

1. $456 + 357$	2. $3,208 + 976$	3. $5,807 + 2,086$	 190	 7,184	 7,125
4. $924 - 743$	5. $7,623 - 498$	6. $14,356 - 9,357$	 337	 226	 181
7. Sarah earned \$235 in August and \$1,045 in September. How much money does she have? \$	8. Lisa read 1,875 pages and John read 1,649. How many more pages did Lisa read? pages	9. Carlos and Sally are baking cookies. Carlos baked 105 cookies and Sally baked 85. How many did they bake altogether? cookies	 2,969	 4,999	 4,184
10. Joe spent \$874 on vacation while his sister only spent \$537. How much more money did Joe spend than his sister? \$	11. Jake collected 6,208 baseball cards and 976 football cards. How many cards has he collected in all? cards	12. Ernie saved \$18,956 this summer. If he spends \$15,987 on a car, how much money will he have leftover? \$	 1,280	 813	 7,893













Check

Check at the bottom to check your answers when you're done.

1. $23,089 + 34,876$	2. $245,876 + 14,950$	3. $11,795 + 345,089$	 13,919	 14,161	 356,884
4. $70,987 - 23,487$	5. $35,906 - 21,987$	6. $9,007 - 5,408$	 1,149	 33,050	 22,337
7. Scott sold three vehicles this month. He sold a blue car for \$21,563, a red truck for \$18,479, and a van for \$7,099. What is the total of all three vehicles? \$	8. Jill collected 89,087 stamps and 24,976 postcards. Michelle's collection is a total of 147,113. How much bigger is Michelle's collection than Jill's? items	9. Jose washed 9,876 cars and Olivia washed 4,285. How many did they wash altogether? cars	 57,965	 3,599	 47,500
10. Kyle bought a car for \$34,874 while his sister bought one for \$12,537 less. How much money did Kyle's sister spend? \$	11. Lily read 15,481 pages one weekend and 10,324 pages the next weekend. Paul read 11,649. How many more pages did Lily read? pages	12. Emily saved \$19,805 this summer. If she spends \$13,287 on a car and \$5,369 on a vacation, how much money will she have leftover? \$	 47,141	 14,156	 260,826

Check

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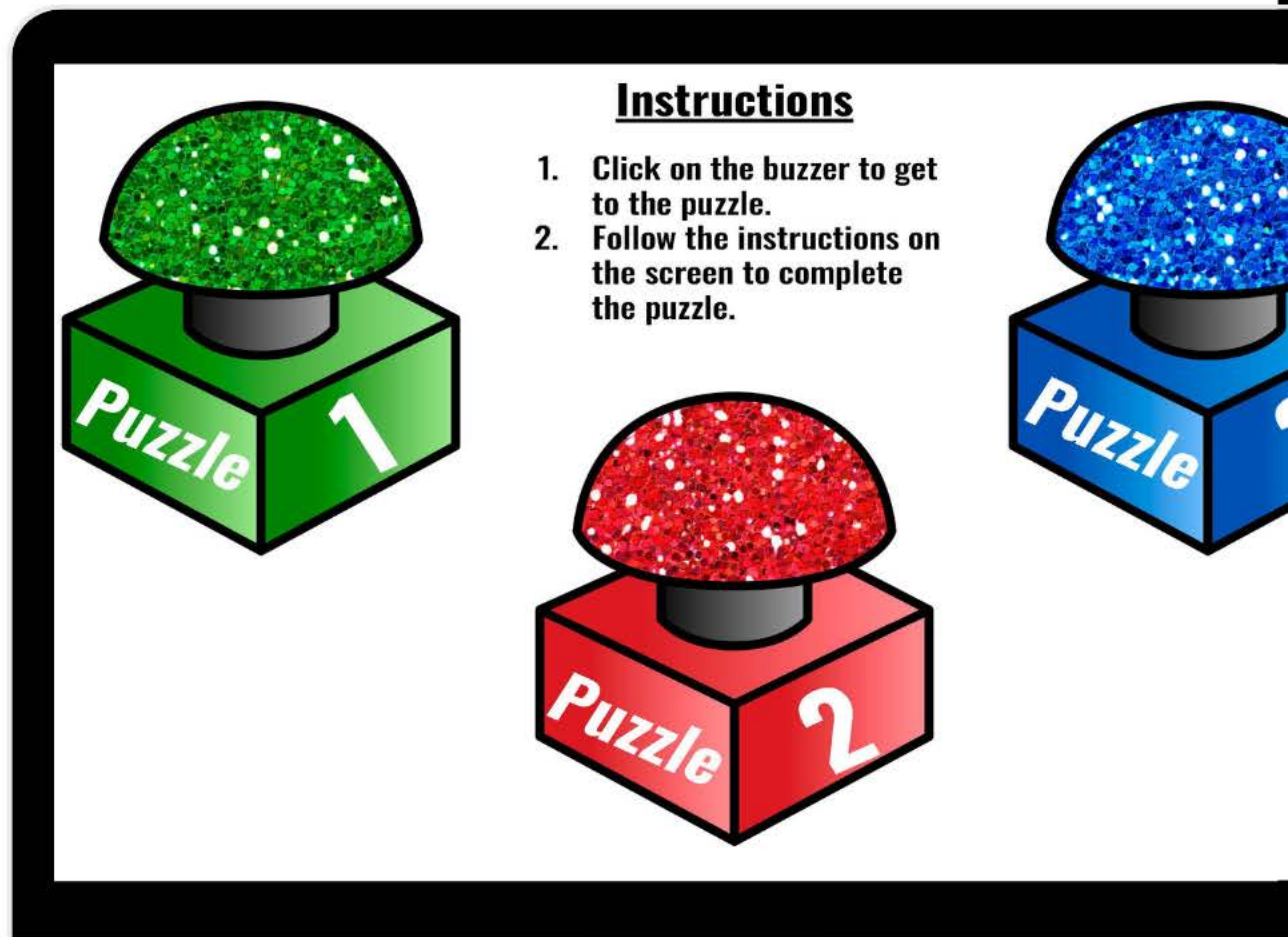
1. $13,456 + 49,357$	2. $45,809 + 2,456$	3. $14,567 + 9,208$	 62,669	 6,219	 1,470
4. $11,908 - 5,876$	5. $98,456 - 35,787$	6. $763,870 - 34,876$	 2,337	 7,226	 23,775
7. Ella saved \$19,506 this past year. If she spends \$13,287 on a vacation, how much money will she have leftover? \$	8. Joey and Drew were collecting food for a food drive. Joey collected 26,208 cans and Drew collected 4,976 cans. How many cans did they collect altogether? cans	9. Alanna read 123,875 pages in the month of September and she read 116,649 pages in October. How many more pages did Alanna read in September? pages	 62,813	 31,184	 6,032
10. Franklin raised \$4,874 for their spring fundraiser while Washington Elementary raised \$2,537 less than Franklin. How much money did Washington Elementary raise? \$	11. Christy and Sophia are making bracelets. Christy has 985 beads and Sophia has 485. How many beads do they have? beads	12. Clark spent \$22,935 in 2020 and \$19,045 in 2021. How much money did he spend in all? \$	 728,994	 41,980	 48,265

Check

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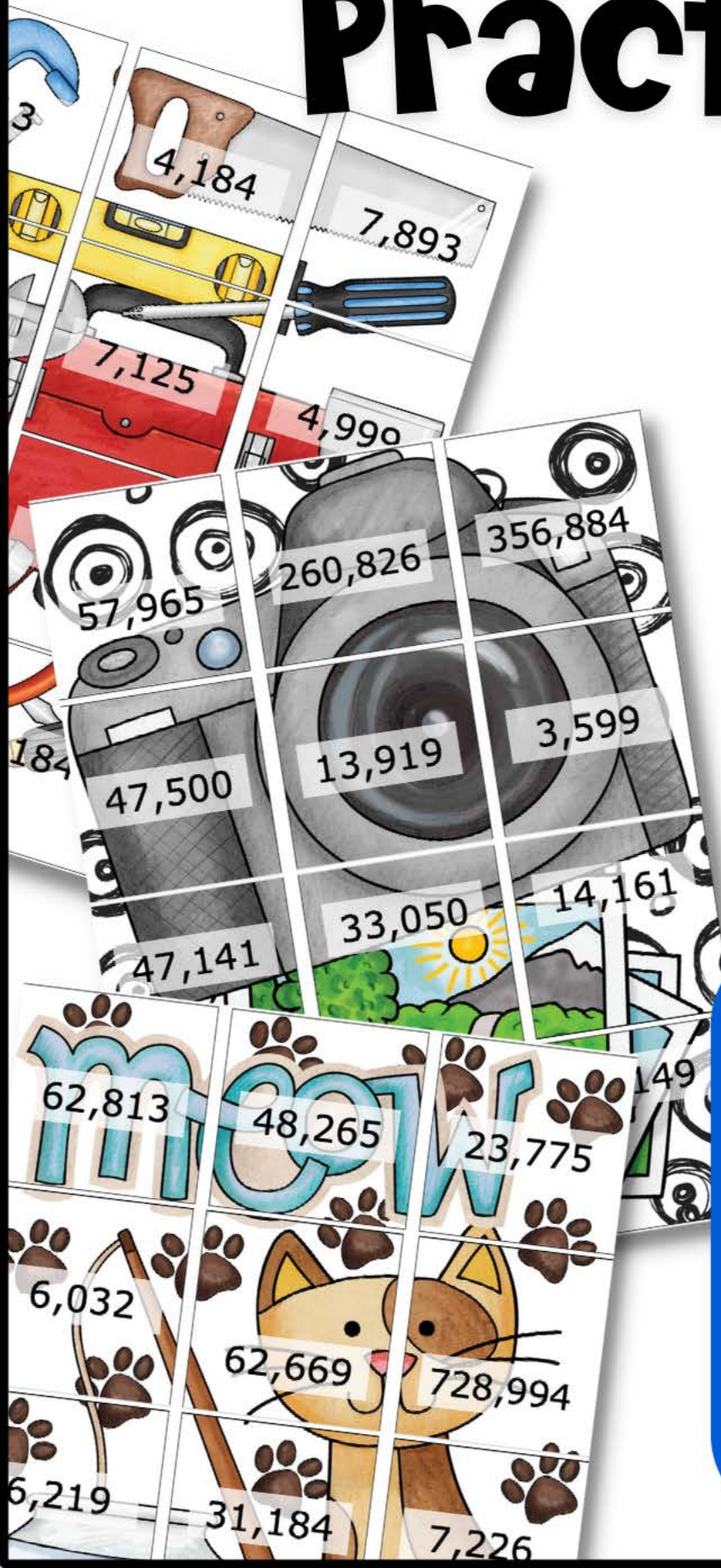


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"MY STUDENTS
REALLY LOVED
WORKING ON THIS!"



DIGITAL PUZZLES

MULTIPLY WHOLE NUMBERS

GRADE
4

1. 742×9

2. Each student uses 5 pencils throughout the week. If there are 345 students in the school, how many pencils would they need?
_____ pencils

3,558

13,860

5. Terrell drives 3,210 miles one way to see his brother. How many miles will he drive round trip?
_____ miles

10,424

9. $7,345 \times 8$

11. Jose needs 13 dozen donuts for the school bake sale. How many donuts does he need to buy?
_____ donuts

156

6,678

58,760

6,420

3,300

15,428

2,436

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

3 PUZZLES:
✓ **EASY**
✓ **MEDIUM**
✓ **HARD**

1. 24×7 2. Bill bought 8 boxes of cookies that each have 32 in them. How many cookies did Bill buy? _____ cookies 3. 45×8

4. 48×5 5. Clark Elementary 4th graders went to the museum on a field trip. They drove 9 buses that each had 47 students in them. How many students went on the trip? _____ students 6. 87×7

7. 15×5 8. Brad bought 4 boxes of markers that each had 20 markers in them. How many markers did Brad buy? _____ markers 9. 25×4

10. 123×5 11. Mr. Carlos sells 150 cupcakes each day. How many cupcakes does he sell in a week? _____ cupcakes 12. 222×4

Check

1. 753×6 2. Mrs. Sweeney sells 483 cups of coffee and 201 cups of tea each day. How many drinks does she sell in 6 days? _____ cups 3. 538×8

4. $3,087 \times 6$ 5. Mr. Sal is a pilot who flies 8,035 miles in one trip when working. How many miles will he fly if he takes this trip 4 times? _____ miles 6. $7,598 \times 9$

7. 64×32 8. If the average person blinks 15 times every minute. How many times would they have blinked in one hour? _____ times 9. 72×81

10. 21×33 11. Josh needs 66 dozen muffins and 23 dozen cookies for the school dance. How many treats does he need to buy? _____ treats 12. 41×61

Check

1. 742×9 2. Each student uses 5 pencils throughout the week. If there are 345 students in the school, how many pencils would they need? _____ pencils 3. 593×6

4. $2,310 \times 6$ 5. Terrell drives 3,210 miles one way to see his brother. How many miles will he drive round trip? _____ miles 6. $5,212 \times 2$

7. $3,857 \times 4$ 8. A bluefin tuna weighs 1,100 pounds. How much would 3 bluefin tunas weigh? _____ pounds 9. $7,345 \times 8$

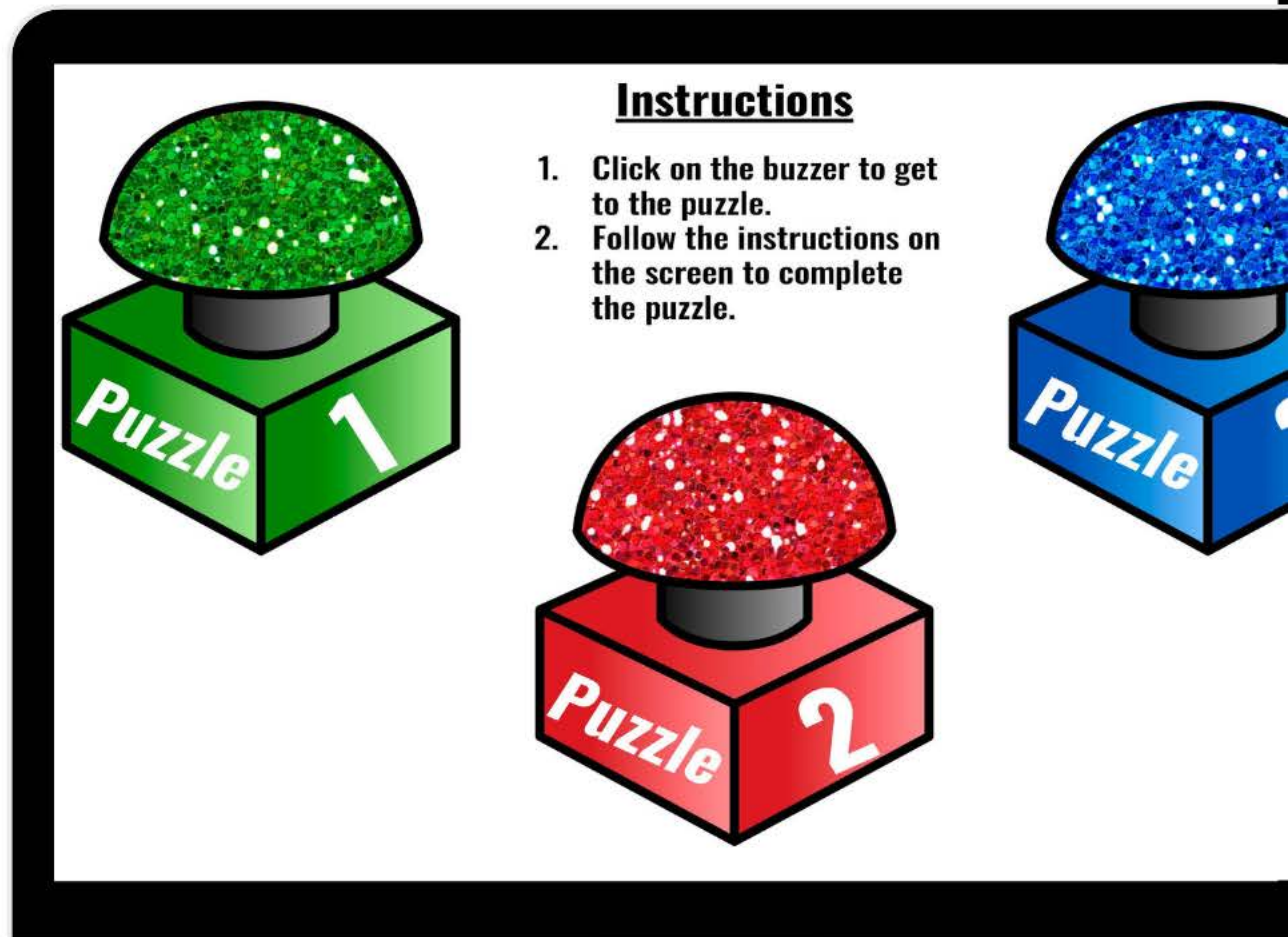
10. 23×17 11. Jose needs 13 dozen donuts for the school bake sale. How many donuts does he need to buy? _____ donuts 12. 42×58

Check

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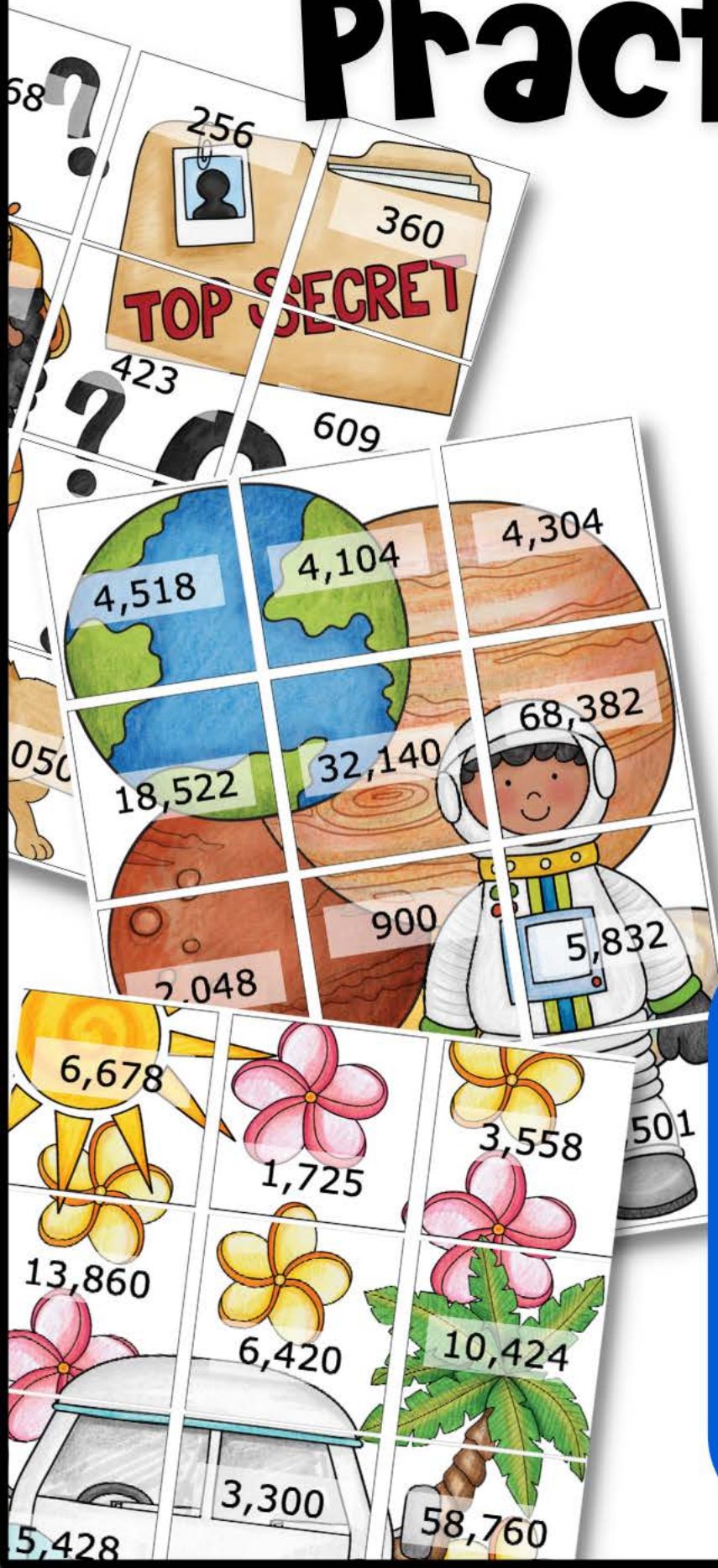


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"MY STUDENTS LOVED THESE PUZZLES FOR OUR WORKSHOP TIME!"



DIGITAL PUZZLES

EQUIVALENT FRACTIONS

GRADE

4

1. Which fraction is equivalent to the fraction of chocolate left?

$\frac{8}{12}$

3. Which fraction is equivalent to the fraction of chocolate left?

5. Which fraction is equivalent to the fraction below?

$\frac{12}{16}$

five-eighths

TOP DOG

11. Hannah read a book for 5 hours during a road trip that took 25 hours total. Which simplified equivalent fraction represents the amount of time Hannah read? of the time

12. Kevin made a tray of 24 brownies. He and his friend each ate one. Which simplified equivalent fraction represents the number of brownies that Kevin and his friend ate?

$\frac{10}{16}$

$\frac{1}{5}$

$\frac{3}{12}$

$\frac{5}{10}$

$\frac{1}{12}$

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

3 PUZZLES:
✓ EASY
✓ MEDIUM
✓ HARD

Check at the bottom to check your answers when you're done.

1. How many sixths would you need to equal $1/2$?	2. How many eighths would you need to equal $1/4$?	3. How many twelfths would you need to equal $1/3$?
4. How many tenths would you need to equal $4/5$?	5. How many twelfths would you need to equal $3/4$?	6. How many sixths would you need to equal one whole?
7. Which numerator makes these fractions equivalent? $?\frac{1}{10} = \frac{1}{2}$	8. Which numerator makes these fractions equivalent? $?\frac{12}{12} = \frac{5}{6}$	9. Which denominator makes these fractions equivalent? $\frac{3}{3} = \frac{12}{?}$
10. Jake ordered a pizza that has 6 slices. He ate 3 of those slices. Which fraction is equivalent to the amount of the pizza Jake ate?	11. Carla bought five bows of the boutique. Two of the bows were yellow and the rest were green. Which fraction is equivalent to the number of bows that are yellow?	12. Sarah has 3 black cats, 1 orange cat, and 2 white cats. Which fraction represents the number of cats that are orange?

Check

1. Which fraction is equivalent to the fraction of chocolate left?	2. Which fraction is equivalent to the fraction of chocolate left?	3. Which fraction is equivalent to the fraction of chocolate left?
4. Which fraction is equivalent to the fraction below? three-fourths	5. Which fraction is equivalent to the fraction below? five-eighths	6. Which fraction is equivalent to the fraction below? four-fifths
7. Which denominator makes these fractions equivalent? $\frac{1}{?} = \frac{2}{12}$	8. Which numerator makes these fractions equivalent? $?\frac{5}{5} = \frac{6}{10}$	9. Which numerator makes these fractions equivalent? $?\frac{10}{10} = \frac{2}{5}$
10. Harrison completed two of six levels in a video game. Which simplified equivalent fraction represents the number of levels Harrison has completed?	11. Hannah read a book for 5 hours during a road trip that took 25 hours total. Which simplified equivalent fraction represents the amount of time Hannah read?	12. Kevin made a tray of 24 brownies. He and his friend each ate one. Which simplified equivalent fraction represents the number of brownies that Kevin and his friend ate?

Check

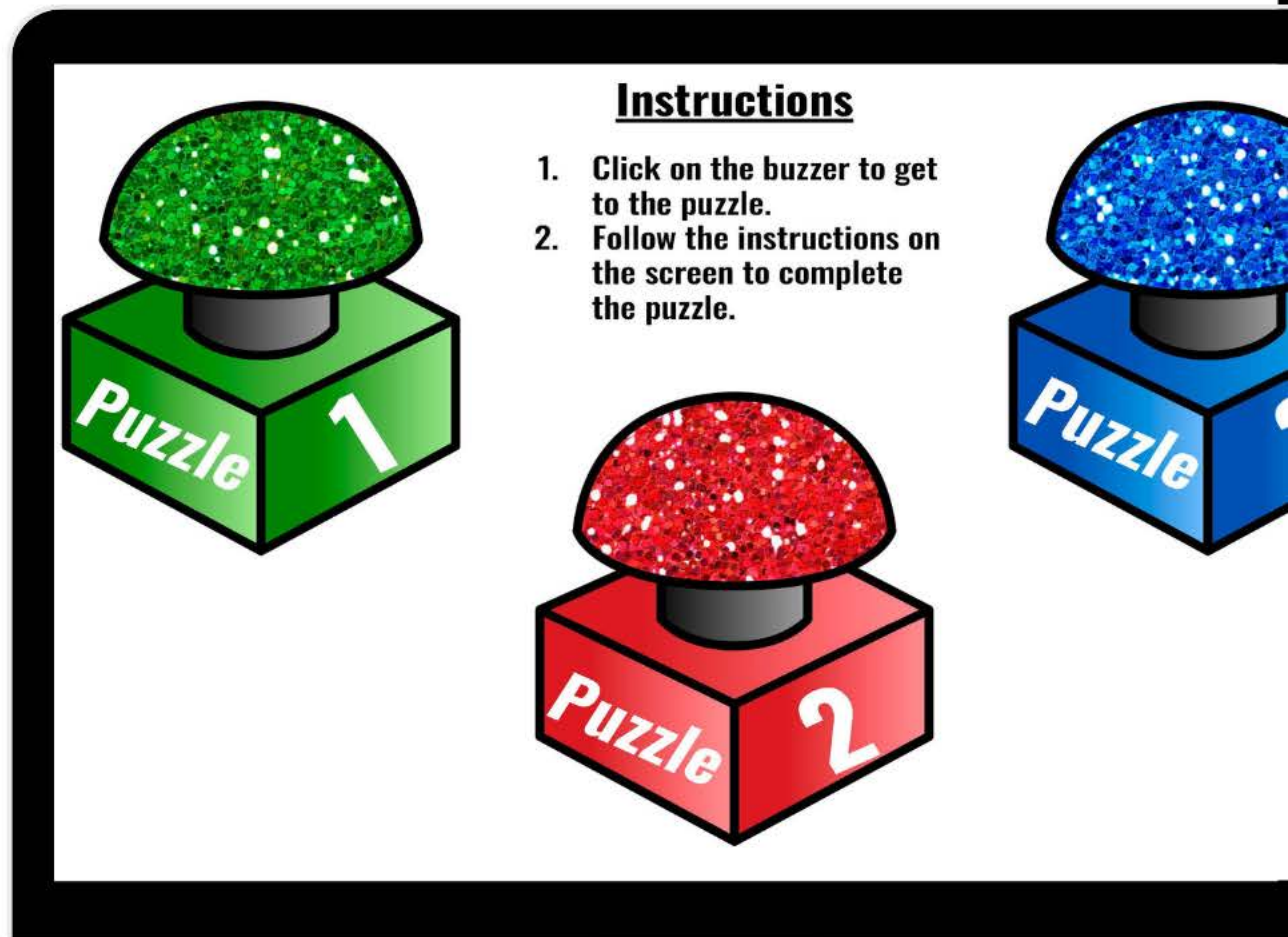
1. Which fraction is equivalent to the fraction of cupcake left?	2. Which fraction is equivalent to the fraction of cupcake left?	3. Which fraction is equivalent to the fraction of cupcake left?
4. Which fraction is equivalent to the fraction of cupcake left?	5. Which fraction is equivalent to the fraction of cupcake left?	6. Which fraction is equivalent to the fraction of cupcake left?
7. Which denominator makes these fractions equivalent? $\frac{1}{?} = \frac{2}{10}$	8. Which denominator makes these fractions equivalent? $\frac{2}{4} = \frac{1}{?}$	9. Which numerator makes these fractions equivalent? $?\frac{10}{10} = \frac{2}{5}$
10. George completed four of ten levels in a video game. Which fraction is equivalent to the number of levels George has completed?	11. Josie slept for 5 hours during a road trip that took 8 hours. Which fraction is equivalent to the amount of time Josie was awake?	12. Carlos made a tray of 10 brownies. He and five of his friends each ate one brownie. Which fraction is equivalent to the number of brownies that Carlos and his friends ate?

Check

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DIGITAL PUZZLES

ADD/SUBTRACT FRACTIONS

GRADE

4

The puzzle grid contains the following content:

- Problem 2: Evaluate the expression. $\frac{9}{12} + \frac{3}{12} = 1$
- Problem 9: Evaluate the expression. $8\frac{1}{5} - 2\frac{4}{5} = 5\frac{2}{5}$
- Problem 10: Brayden cooked $\frac{5}{8}$ pound of pasta for his family. It wasn't enough for everyone so he cooked another $1\frac{1}{8}$ pounds. How many pounds of pasta did he cook? $1\frac{6}{8}$ pounds
- Problem 12: Kadyon won 2 chocolate bars at a carnival. He ate $1\frac{2}{8}$ of a chocolate bar. He gave $\frac{3}{8}$ of it to his cousin. How much does he have left? $1\frac{6}{8}$ of his chocolate bar

Other visible puzzle pieces include: $\frac{3}{8}$, $\frac{5}{5} = 1$, $\frac{4}{12} + \frac{5}{12}$, $\frac{1}{12} + \frac{2}{12} + \frac{2}{12}$, $\frac{3}{12} + \frac{2}{12} + \frac{1}{12} + \frac{5}{12}$, $13\frac{4}{5}$, $\frac{12}{12} = 1$, and $5\frac{2}{5}$.



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

3 PUZZLES:
 ✓ EASY
 ✓ MEDIUM
 ✓ HARD

1. Evaluate the expression.
 $\frac{1}{4} + \frac{2}{4}$

2. Evaluate the expression.
 $\frac{3}{4} + \frac{2}{4}$

3. Evaluate the expression.
 $\frac{1}{4} + \frac{2}{4} + \frac{1}{4}$

4. Decompose the fraction.
 $\frac{5}{8}$

5. Decompose the fraction.
 $\frac{6}{8}$

6. Decompose the fraction.
 $\frac{4}{8}$

7. Evaluate the expression.
 $1\frac{1}{2} + \frac{1}{2}$

8. Evaluate the expression.
 $4\frac{3}{4} - 1\frac{1}{4}$

9. Evaluate the expression.
 $5\frac{2}{8} - 2\frac{1}{8}$

10. Suzy ate $\frac{1}{6}$ of her candy bar on Monday and Tuesday. How much did she eat in all?
 ___ of her candy bar

11. Carlos did $\frac{5}{8}$ of his science project, and his partner did $\frac{3}{8}$ of the project. How much more of the project did Carlos do than his partner?
 ___ of the project

12. Samuel picked $2\frac{3}{4}$ pounds of berries, and his sister picked 3 pounds of berries. How many pounds did they pick altogether?
 ___ pounds

1. Evaluate the expression.
 $\frac{4}{12} + \frac{2}{12} + \frac{3}{12}$

2. Evaluate the expression.
 $\frac{9}{12} + \frac{3}{12}$

3. Evaluate the expression.
 $\frac{3}{5} + \frac{1}{5} + \frac{1}{5}$

4. Decompose the fraction.
 $\frac{9}{12}$

5. Decompose the fraction.
 $\frac{5}{12}$

6. Decompose the fraction.
 $\frac{11}{12}$

7. Evaluate the expression.
 $8\frac{3}{8} - 4\frac{5}{8}$

8. Evaluate the expression.
 $3\frac{1}{5} + 2\frac{3}{5} + 8$

9. Evaluate the expression.
 $8\frac{1}{5} - 2\frac{4}{5}$

10. Brayden cooked $\frac{5}{8}$ pound of pasta for his family. It wasn't enough for everyone so he cooked another $1\frac{1}{8}$ pounds. How many pounds of pasta did he cook?
 ___ pounds

11. Shawn ran $\frac{2}{8}$ of a mile on Thursday and $\frac{4}{8}$ of a mile on Saturday. On Sunday, he biked $\frac{7}{8}$ of a mile. How much farther did he bike than running both days?
 ___ miles

12. Kadyr won 2 chocolate bars at a carnival. He ate $1\frac{2}{8}$ of a chocolate bar. He gave $\frac{3}{8}$ of it to his cousin. How much does he have left?
 ___ of his chocolate bar

1. Evaluate the expression.
 $\frac{5}{8} + \frac{1}{8}$

2. Evaluate the expression.
 $\frac{8}{10} - \frac{6}{10}$

3. Evaluate the expression.
 $\frac{3}{10} + \frac{1}{10} + \frac{2}{10}$

4. Decompose the fraction.
 $\frac{7}{10}$

5. Decompose the fraction.
 $\frac{8}{10}$

6. Decompose the fraction.
 $\frac{9}{10}$

7. Evaluate the expression.
 $5\frac{3}{6} - 2\frac{1}{6}$

8. Evaluate the expression.
 $7\frac{2}{6} + 5\frac{1}{6}$

9. Evaluate the expression.
 $8\frac{5}{6} - 6$

10. Donnie ate $\frac{4}{8}$ of a pizza on Friday and $\frac{3}{8}$ of a pizza on Saturday. What fractional amount is left of the pizza?
 ___ of the pizza

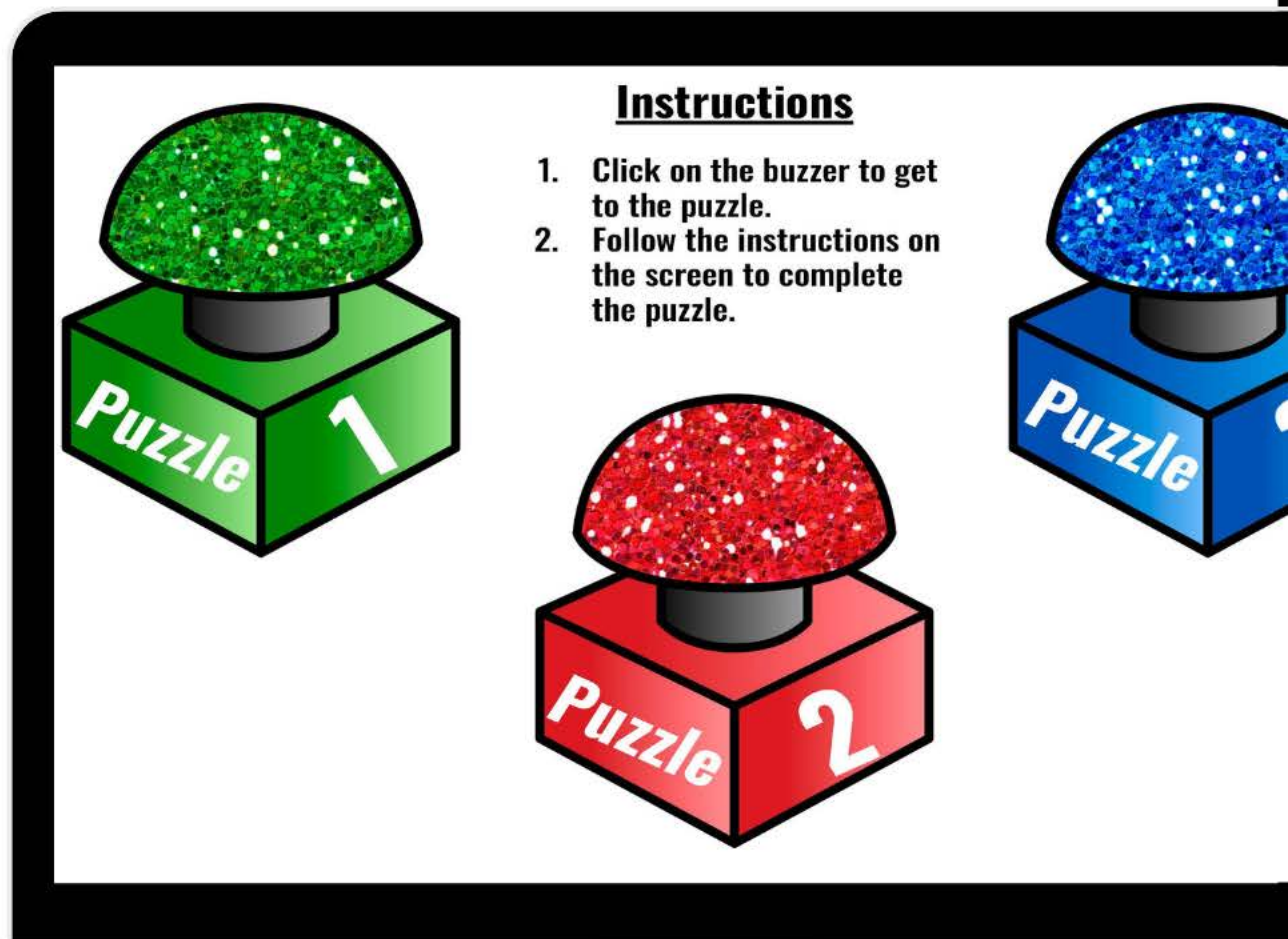
11. Karl bought $2\frac{1}{6}$ pounds of bacon and $1\frac{3}{6}$ pounds of turkey at the grocery store. How many pounds of meat did Karl buy at the grocery store?
 ___ pounds

12. Landen wrote $\frac{1}{8}$ of his poem in the morning, $\frac{2}{8}$ of it in the afternoon, and $\frac{2}{8}$ of it at night. How much does he have to finish?

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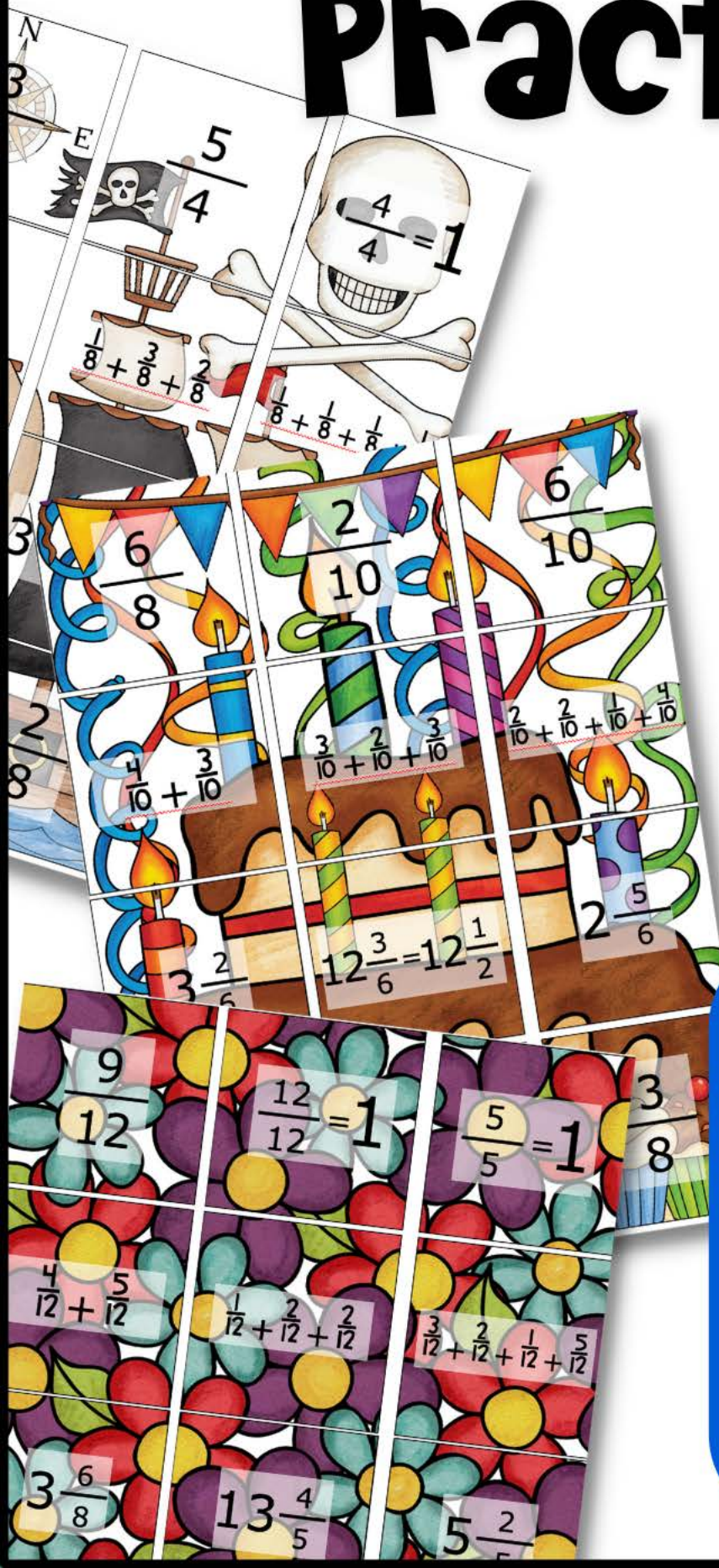


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DIGITAL PUZZLES

MULTIPLY FRACTIONS

GRADE

4

1. Find the product.

$$8 \times \frac{1}{6}$$

4. Find the product.

9x

9. Find the equivalent product.

$$7 \times \frac{3}{5}$$

10. Minnie bought 8 pieces of fabric that were each $\frac{1}{5}$ yards long. How many yards of fabric did Minnie buy?
___ yards

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

- 3 PUZZLES:**
- ✓ EASY
 - ✓ MEDIUM
 - ✓ HARD

1. Find the product. $3 \times \frac{1}{4}$

2. Find the product. $6 \times \frac{1}{5}$

3. Find the product. $8 \times \frac{1}{2}$

4. Find the product. $4 \times$ [grid]

5. Find the product. [grid] $\times 5$

6. Find the product. [grid] $\times 3$

7. Find the equivalent product. $3 \times \frac{2}{4}$

8. Find the equivalent product. $5 \times \frac{3}{5}$

9. Find the equivalent product. $2 \times \frac{3}{8}$

10. Carlos bought 5 pieces of fabric that were each $\frac{1}{2}$ yard long. How many yards of fabric did Carlos buy? _____ inches

11. Donald ate $\frac{1}{8}$ of his candy bar on each day from Monday-Friday this week. How much of the candy bar did he eat altogether? _____ of the candy bar

12. Jessica read $\frac{3}{10}$ of her book on each day for 3 days this week. What fraction of the book did she read? _____ of the book

Check

1. Find the product. $8 \times \frac{1}{6}$

2. Find the product. $8 \times \frac{1}{12}$

3. Find the product. $6 \times \frac{1}{5}$

4. Find the product. $9 \times$ [grid]

5. Find the product. [grid] $\times 4$

6. Find the product. [grid] $\times 11$

7. Find the equivalent product. $6 \times \frac{3}{6}$

8. Find the equivalent product. $9 \times \frac{5}{12}$

9. Find the equivalent product. $7 \times \frac{3}{5}$

10. Minnie bought 8 pieces of fabric that were each $\frac{1}{5}$ yards long. How many yards of fabric did Minnie buy? _____ yards

11. Dale ate $\frac{1}{6}$ of each of his 5 candy bars. How much of the candy bars did he eat? _____ of the candy bars

12. Jenny learned $\frac{1}{12}$ of her spelling bee words each day for one week. What fraction of the spelling words did she know after 7 days? _____ of the words

Check

1. Find the product. $5 \times \frac{1}{6}$

2. Find the product. $7 \times \frac{1}{8}$

3. Find the product. $4 \times \frac{1}{10}$

4. Find the product. $6 \times$ [circle]

5. Find the product. [circle] $\times 5$

6. Find the product. [circle] $\times 3$

7. Find the equivalent product. $5 \times \frac{2}{6}$

8. Find the equivalent product. $7 \times \frac{4}{10}$

9. Find the equivalent product. $9 \times \frac{3}{8}$

10. Cindy bought 15 pieces of wood that were each $\frac{1}{8}$ of a foot long. How many feet of wood did Cindy buy? _____ feet

11. David ate $\frac{1}{10}$ of his birthday cake each day for 3 days. How much of the cake did he eat? _____ of his cake

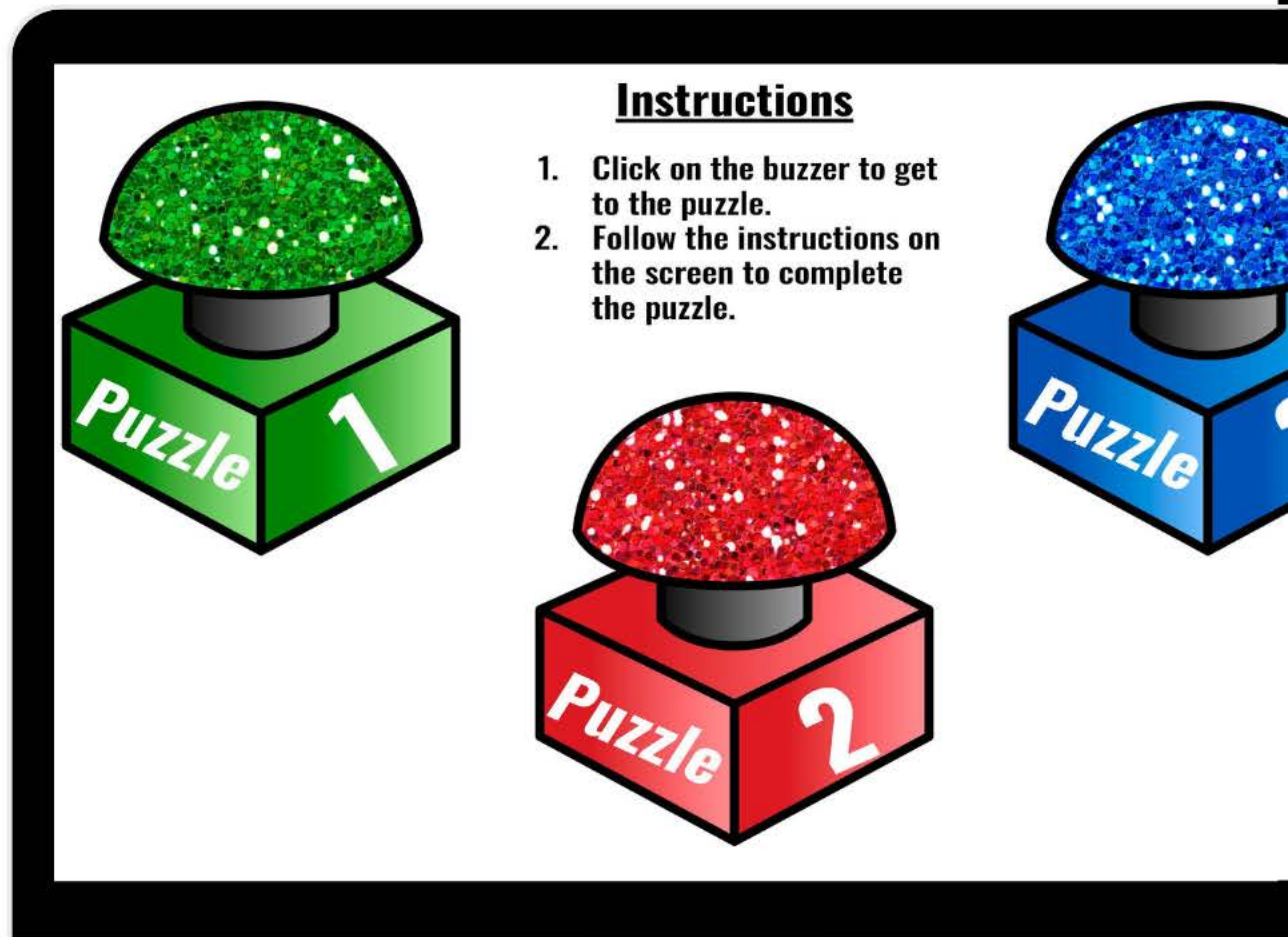
12. Eli completed $\frac{1}{6}$ of his project each day for 4 days last week. What fraction of the project does he have completed? _____ of the project

Check

INCLUDES:

- ✓ 3 NO PREP, SELF-CHECKING PUZZLES
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- ✓ EMAIL SUPPORT

PARTNER WORK
SMALL GROUPS
CENTERS
EARLY FINISHERS
INDEPENDENT PRACTICE
1:1 CLASSROOMS
DISTANCE LEARNING



Fun & Engaging Practice!

- DIGITAL (NO PRINTING)
- NO PREP
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- WORKS ON ANY DEVICE
- SELF-CHECKING
- IMMEDIATE FEEDBACK
- ACADEMICALLY ENGAGING



"MY STUDENTS LOVE TO DO THESE PUZZLES! THEY GET SO EXCITED WHEN THEY FINALLY SEE THE PHOTO."



DIGITAL PUZZLES

10/100 AS DENOMINATORS

GRADE
4

1. Find the equivalent fraction.

$$\frac{40}{100}$$

2. Find the sum.

$$\frac{3}{10}$$

3. Find the sum.

$$\frac{1}{10} + \frac{22}{100} + \frac{5}{100}$$

4. Find the sum.

$$\frac{51}{100}$$

5. Find the sum.

$$\frac{84}{100}$$

6. Find the sum.

$$\frac{1}{10} + \frac{4}{100} + \frac{48}{100}$$

7. Find the expression equivalent to the picture below.

8. Find the sum.

$$\frac{62}{100}$$

9. Find the sum.

$$\frac{80}{100}$$

10. Find the sum.

$$\frac{4}{10}$$

11. Three children worked on a puzzle together. Henry completed $\frac{2}{10}$ of the puzzle, Petra completed $\frac{10}{100}$, and Gabriel completed $\frac{5}{10}$. How much of the puzzle did they complete?
_____ of the puzzle

12. Find the sum.

$$\frac{13}{100} + \frac{4}{10} + \frac{4}{100}$$

13. Find the sum.

$$\frac{87}{100}$$

14. Find the sum.

$$\frac{93}{100}$$

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

- 3 PUZZLES:**
- ✓ EASY
 - ✓ MEDIUM
 - ✓ HARD

1. Find the equivalent fraction. $\frac{2}{10}$	2. Find the equivalent fraction. $\frac{60}{100}$	3. Find the equivalent fraction. $\frac{5}{10}$
4. Find the sum. $\frac{1}{10} + \frac{7}{100}$	5. Find the sum. $\frac{6}{100} + \frac{2}{10}$	6. Find the sum. $\frac{3}{10} + \frac{8}{100}$
7. Find the expression equivalent to the picture below. 	8. Find the expression equivalent to the picture below. 	9. Find the expression equivalent to the picture below.
10. Jase finished $\frac{40}{100}$ of his homework for the week on Friday and $\frac{3}{10}$ of his homework on Saturday. How much of his homework has he done in all?	11. Sam is completing his math work. The last problem is $\frac{15}{100} + \frac{7}{10} =$ What is the answer to his problem?	12. Kimberly walked $\frac{5}{10}$ of a mile on Tuesday and $\frac{42}{100}$ of a mile on Wednesday. How far did Kimberly walk altogether? _____ miles

Check

1. Find the equivalent fraction. $\frac{40}{100}$	2. Find the equivalent fraction. $\frac{1}{10}$	3. Find the equivalent fraction. $\frac{30}{100}$
4. Find the sum. $\frac{3}{10} + \frac{6}{100} + \frac{15}{100}$	5. Find the sum. $\frac{5}{10} + \frac{14}{100} + \frac{2}{10}$	6. Find the sum. $\frac{1}{10} + \frac{4}{100} + \frac{48}{100}$
7. Find the expression equivalent to the picture below. 	8. Find the expression equivalent to the picture below. 	9. Find the expression equivalent to the picture below.
10. Justin completed $\frac{43}{100}$ of the levels of his video game on Friday and $\frac{1}{10}$ of the levels on Saturday. How much of his video did he complete? _____ of his video game	11. Three children worked on a puzzle together. Henry completed $\frac{2}{10}$ of the puzzle, Petra completed $\frac{10}{100}$, and Gabriel completed $\frac{5}{10}$. How much of the puzzle did they complete? _____ of the puzzle	12. Claire walked $\frac{3}{10}$ of a mile on Tuesday and $\frac{57}{100}$ of a mile on Wednesday. How far did Kimberly walk on both days? _____ miles

Check

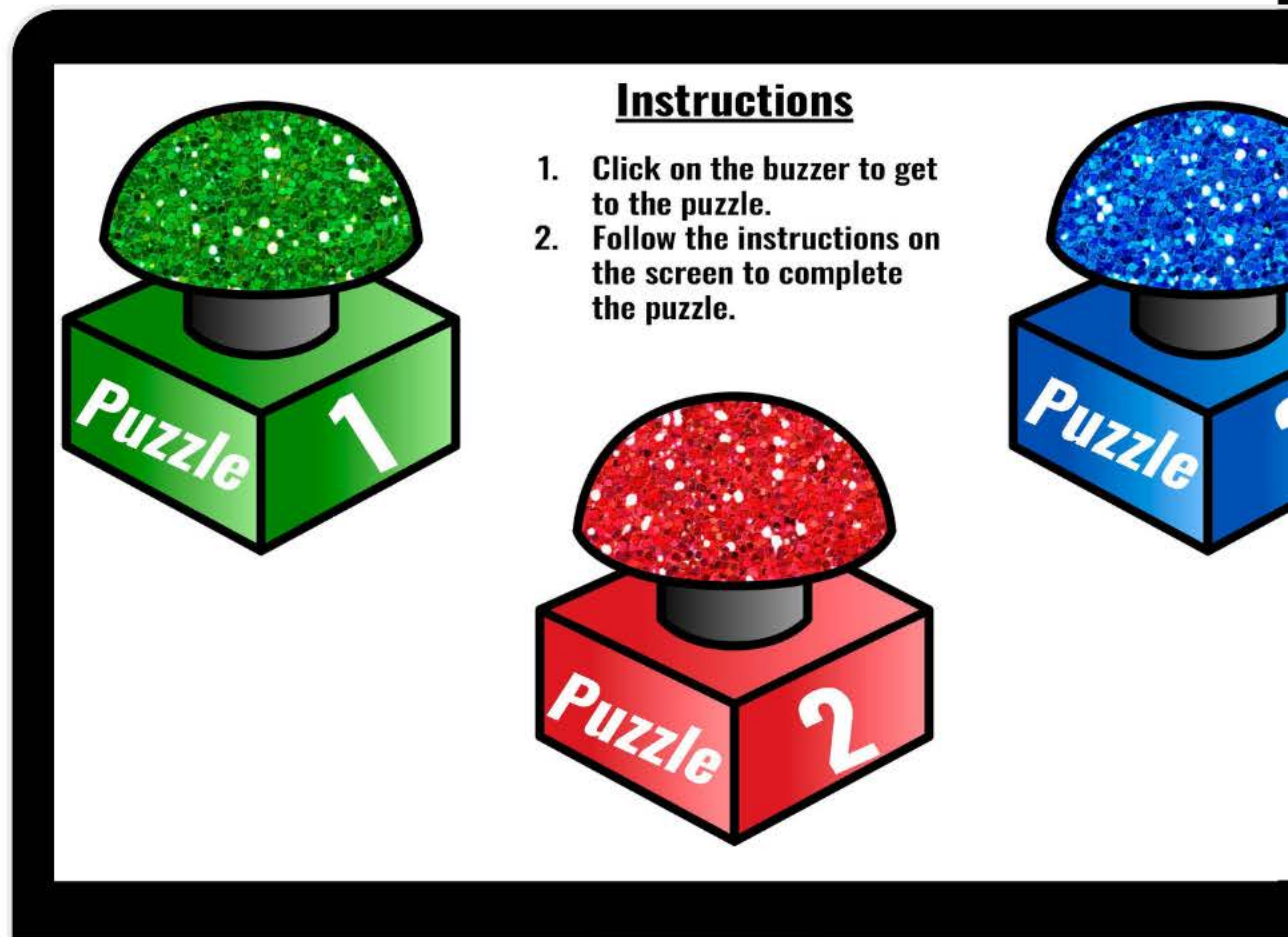
1. Find the equivalent fraction. $\frac{70}{100}$	2. Find the equivalent fraction. $\frac{8}{10}$	3. Find the equivalent fraction. $\frac{9}{10}$
4. Find the sum. $\frac{4}{10} + \frac{18}{100}$	5. Find the sum. $\frac{24}{100} + \frac{7}{10}$	6. Find the sum. $\frac{4}{10} + \frac{37}{100}$
7. Find the expression equivalent to the picture below. 	8. Find the expression equivalent to the picture below. 	9. Find the expression equivalent to the picture below.
10. Jason finished $\frac{44}{100}$ of his project on Friday and $\frac{1}{10}$ of his project on Saturday. How much of his project has he completed? _____ of his project	11. Candace shaded $\frac{8}{10}$ of a hundredths grid. Jacob shaded $\frac{12}{100}$ of the same hundredths grid. How much of the grid did they shade together?	12. Keesha biked $\frac{3}{10}$ of a mile on Tuesday and $\frac{22}{100}$ of a mile on Wednesday. How far did Keesha bike on both days combined? _____ miles

Check

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"EXCELLENT
RESOURCE!"

DIGITAL PUZZLES

DECIMAL NOTATION

GRADE

4

The digital puzzle interface on the tablet features several math problems and illustrations of art supplies:

- Problem 3:** Choose the equivalent decimal. $99/100$
- Problem 4:** Choose the equivalent fraction. 0.06
- Problem 8:** Choose the equivalent decimal. $3/100 + 3/10$
- Problem 10:** Choose the equivalent fraction. $0.08 + 0.4$

Other visible fractions and decimals include 0.09 , 0.9 , $48/100$, $6/100$, $66/100$, $6/10$, 0.63 , 0.78 , 0.33 , $75/100$, and $67/100$. Illustrations include a crayon, paint palette, glue bottle, pencil, paintbrush, and paint can.



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

A tablet screen showing a 4x3 grid of math problems. The grid is divided into two sections: a left section with math problems and a right section with space-themed illustrations and numbers. The math problems are:

1. Choose the equivalent decimal. $5/10$	2. Choose the equivalent decimal. $41/100$	3. Choose the equivalent decimal. $7/10$
4. Choose the equivalent fraction. 0.37	5. Choose the equivalent fraction. 0.08	6. Choose the equivalent fraction. 0.65
7. Choose the equivalent decimal. $1/10 + 23/100$	8. Choose the equivalent decimal. $3/100 + 4/10$	9. Choose the equivalent decimal. $4/10 + 23/100$
10. Choose the equivalent fraction. $0.2 + 0.08$	11. Choose the equivalent fraction. $0.3 + 0.2$	12. Choose the equivalent fraction. $0.1 + 0.29$

The right section contains illustrations of astronauts, rockets, and planets with numbers: 0.33 , $37/100$, $5/10$, 0.5 , $39/100$, 0.43 , 0.63 , $65/100$, 0.41 , $28/100$, 0.7 , and $8/100$. A "Check" button is at the bottom left.

3 PUZZLES:
✓ **EASY**
✓ **MEDIUM**
✓ **HARD**

A tablet screen showing a 4x3 grid of math problems. The grid is divided into two sections: a left section with math problems and a right section with nature-themed illustrations and numbers. The math problems are:

1. Choose the equivalent decimal. $35/100$	2. Choose the equivalent decimal. $3/10$	3. Choose the equivalent decimal. $45/100$
4. Choose the equivalent fraction. 0.8	5. Choose the equivalent fraction. 0.08	6. Choose the equivalent fraction. 0.81
7. Choose the equivalent decimal. $3/10 + 25/100$	8. Choose the equivalent decimal. $3/100 + 6/10$	9. Choose the equivalent decimal. $47/100 + 1/10$
10. Choose the equivalent fraction. $0.3 + 0.05 + 0.2$	11. Choose the equivalent fraction. $0.63 + 0.09 + 0.1$	12. Choose the equivalent fraction. $0.4 + 0.26 + 0.2$

The right section contains illustrations of insects and animals with numbers: $82/100$, 0.57 , 0.73 , 0.45 , $81/100$, $8/10$, $55/100$, $86/100$, 0.35 , 0.63 , 0.3 , and $8/100$. A "Check" button is at the bottom left.

A tablet screen showing a 4x3 grid of math problems. The grid is divided into two sections: a left section with math problems and a right section with art-themed illustrations and numbers. The math problems are:

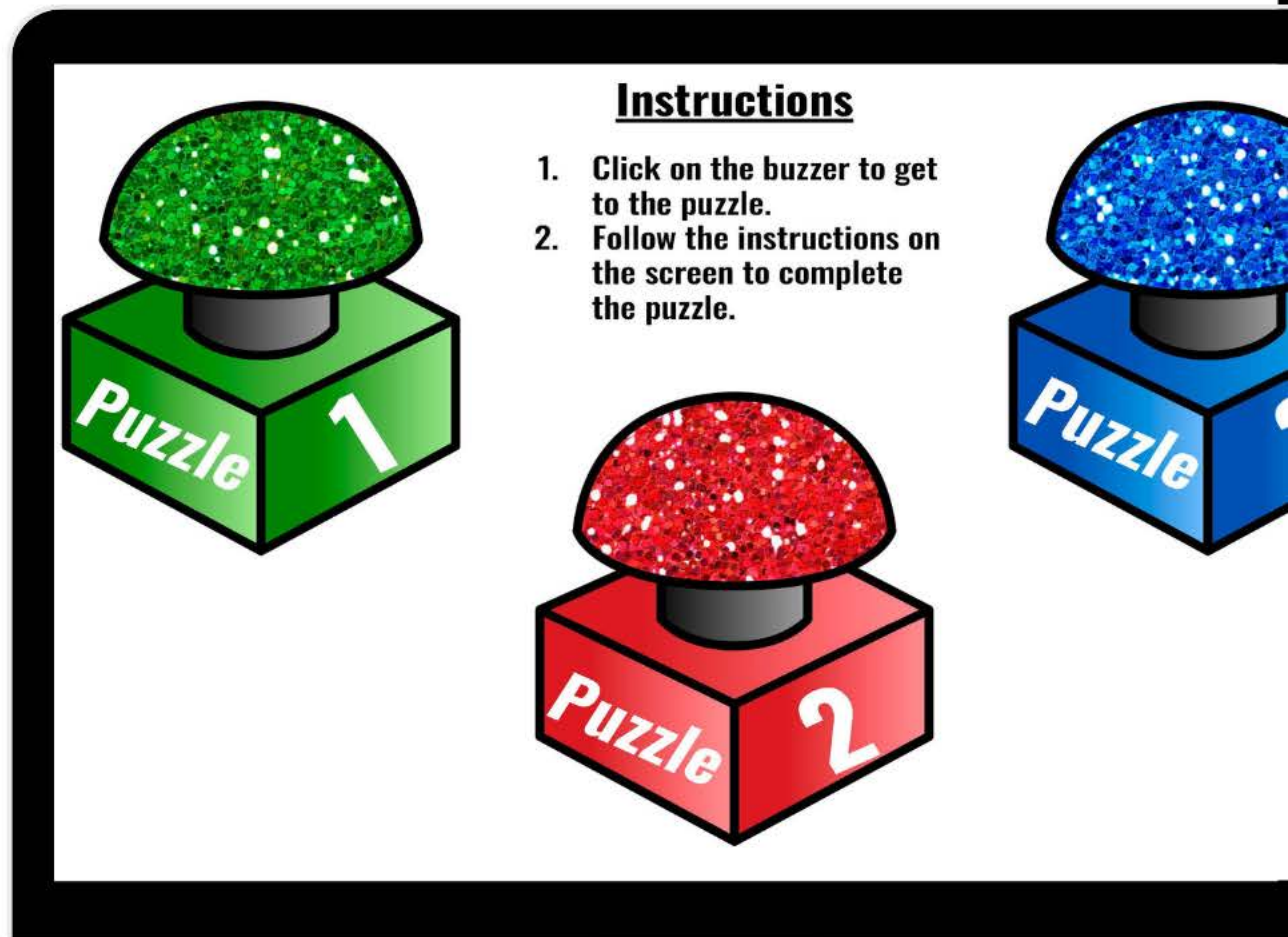
1. Choose the equivalent decimal. $9/100$	2. Choose the equivalent decimal. $9/10$	3. Choose the equivalent decimal. $99/100$
4. Choose the equivalent fraction. 0.06	5. Choose the equivalent fraction. 0.66	6. Choose the equivalent fraction. 0.6
7. Choose the equivalent decimal. $4/10 + 23/100$	8. Choose the equivalent decimal. $3/100 + 3/10$	9. Choose the equivalent decimal. $6/10 + 18/100$
10. Choose the equivalent fraction. $0.08 + 0.4$	11. Choose the equivalent fraction. $0.3 + 0.45$	12. Choose the equivalent fraction. $0.27 + 0.4$

The right section contains illustrations of art supplies with numbers: $48/100$, $6/100$, $6/10$, 0.63 , 0.78 , 0.99 , 0.33 , $66/100$, $75/100$, 0.9 , $67/100$, and 0.09 . A "Check" button is at the bottom left.

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PARTNER WORK
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Fun & Engaging Practice!

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"EXCELLENT
RESOURCE!"

DIGITAL PUZZLES

DECIMAL COMPARISON

GRADE

4

2. Compare using $<$, $>$, or $=$.
 0.07 0.72

4. Compare using words less than, greater than, or equal to.
 $4/10$ $50/100$

7. Find the fraction model that makes the comparison true.

9. Find the fraction model that makes the comparison true.

12. Smith Grocery Store was selling their pumpkins at \$0.37 per pound. The Farm Market down the road was selling theirs for \$0.3 per pound. Who was offering the better deal?

Illustrations include: a sign for 'SURVIVAL SKILLS', a sign for 'Walderness', a sign for 'Farm Market', a sign for 'wild', and a sign for 'Culture'. Names 'Shaunda' and 'Brayden' are also visible.



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

1. Compare using $<$, $>$, or $=$. 0.6_0.43	2. Compare using $<$, $>$, or $=$. 0.07_0.72	3. Compare using $<$, $>$, or $=$. 0.35_0.35
4. Compare using words less than, greater than, or equal to. 4/10_50/100	5. Compare using words less than, greater than, or equal to. 3/10_30/100	6. Compare using words less than, greater than, or equal to. 72/100_7/10
7. Find the fraction model that makes the comparison true.  = 	8. Find the fraction model that makes the comparison true.  < 	9. Find the fraction model that makes the comparison true.  > 
10. Shaunda had \$0.89 to buy candy at the deli. Brayden had 75 cents to spend. Who had more money?	11. Brayden spent \$12.80 on a new hat while his sister, Shaunda, spent over 14 dollars. Who spent less money?	12. Smith Grocery Store was selling their pumpkins at \$0.37 per pound. The Farm Market down the road was selling theirs for \$0.3 per pound. Who was offering the better deal?

Shaunda

equal to

wild

Farm Market

adventure

SURV SKI

nature

Walderness

Brayden

VIVIS

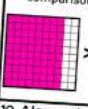
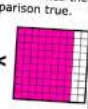
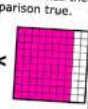
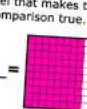
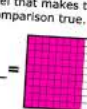

greater than

less than

[Check](#)

3 PUZZLES:

- ✓ **EASY**
- ✓ **MEDIUM**
- ✓ **HARD**

1. Compare using $<$, $>$, or $=$. 0.05_0.5	2. Compare using $<$, $>$, or $=$. 0.2_0.20	3. Compare using $<$, $>$, or $=$. 0.9_0.82
4. Compare using words less than, greater than, or equal to. 6/10_60/100	5. Compare using words less than, greater than, or equal to. 7/10_58/100	6. Compare using words less than, greater than, or equal to. 3/10_87/100
7. Find the fraction model that makes the comparison true.  > 	8. Find the fraction model that makes the comparison true.  < 	9. Find the fraction model that makes the comparison true.  = 
10. Alanna had a twenty-dollar bill to buy cookies at the bakery. Bryant had \$15.50 to spend. Who had more money?	11. Bryant spent \$225.85 on a new computer while his sister, Alanna, spent over five hundred dollars. Who spent less money?	12. Logan Grocery Store was selling their lunch meat at \$1.59 per pound. The Farm Market down the road was selling theirs for \$1.5 per pound. Who was offering the better deal?

equal to

Farm Market

Alanna


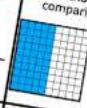
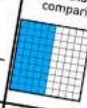
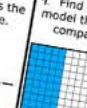
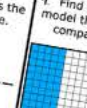

Byrant

greater than

less than

=

[Check](#)

1. Compare using $<$, $>$, or $=$. 0.1_0.10	2. Compare using $<$, $>$, or $=$. 0.56_0.65	3. Compare using $<$, $>$, or $=$. 0.73_0.37
4. Compare using words less than, greater than, or equal to. 3/10_50/100	5. Compare using words less than, greater than, or equal to. 4/10_40/100	6. Compare using words less than, greater than, or equal to. 7/10_67/100
7. Find the fraction model that makes the comparison true.  < 	8. Find the fraction model that makes the comparison true.  = 	9. Find the fraction model that makes the comparison true.  > 
10. McKenzie had \$5 to buy cookies at the bakery. Brandon had \$4.89 dollars to spend. Who had more money?	11. Brandon spent \$19.80 on a new hat while his sister, McKenzie spent twenty dollars. Who spent less money?	12. Jones Grocery Store was selling their watermelon at \$1.25 per pound. The Farm Market down the road was selling theirs for two dollars per pound. Who was offering the better deal?

equal to

Brandon

DON'T FEED THE ANIMALS

McKenzie

greater than

Jones Grocery Store

less than

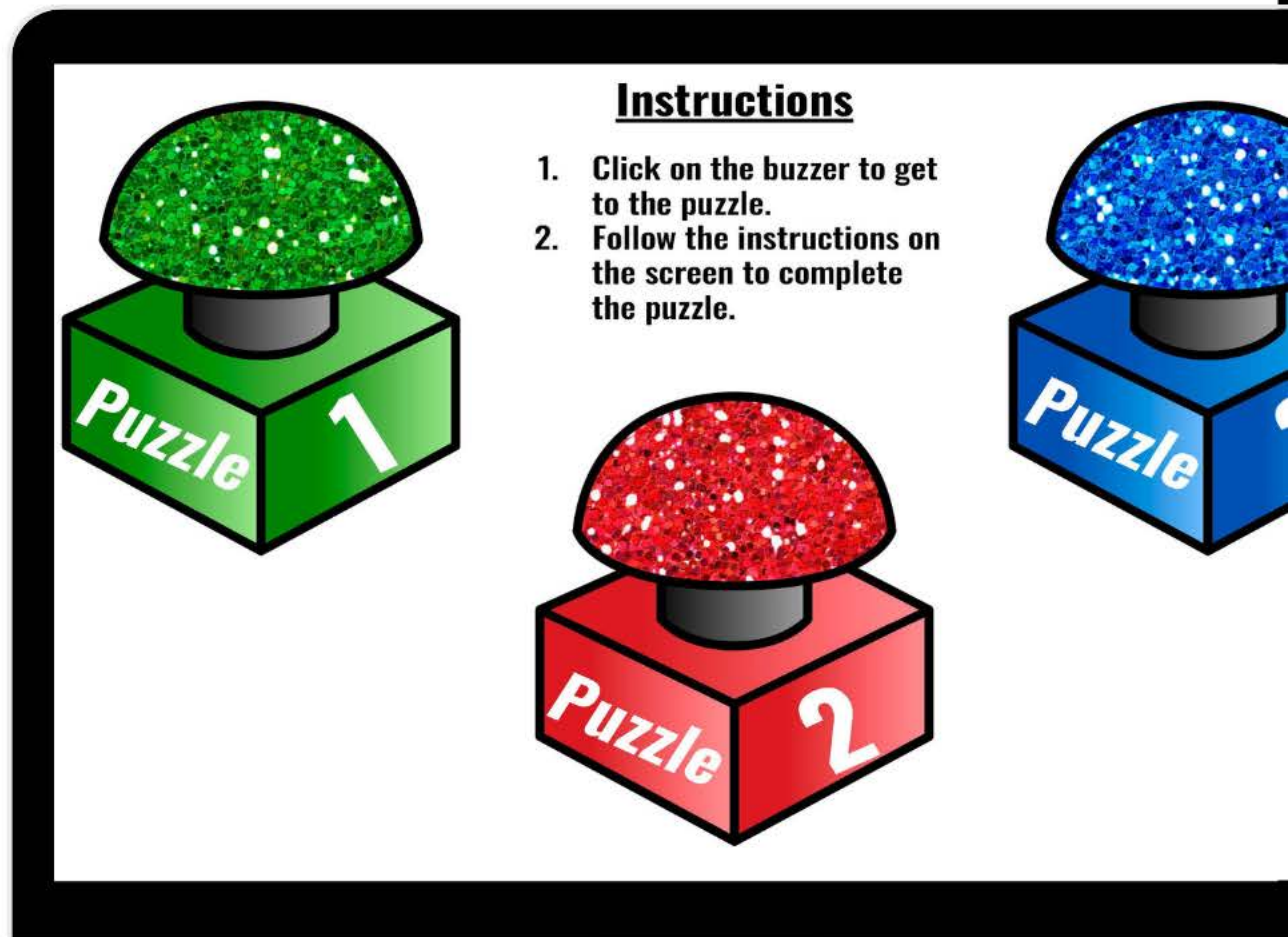
PLEASE

[Check](#)

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RESOURCE!"



DIGITAL PUZZLES

MULTIPLICATIVE COMPARISONS

GRADE

4

1. $y = 50$

2. Shannon bought 3 times the number of pencils that Connor did. If Connor bought 11 pencils, how many did Shannon buy? $y = 4$

3. $y = 30$

4. Jake planted 50 seeds. If Jamal planted 400 seeds, how many times did Jamal plant? $y = 40$

5. $y = 70$

6. $y = 5$

7. $y = 1,600$

8. A bear ate 1,320 berries. If this is 12 times as many as a raccoon, how many berries did the raccoon eat? $y = 110$

9. $y = 9$

10. $y = 8$

11. José has 150 stuffed animals. If this is 5 times as many as Camila, how many stuffed animals does she have? $y = 120$

12. A family of blue jays ate 360 worms. A robin ate 40 worms. How many times as many worms did the blue jays eat? $y = 33$

Check




SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!


1. 40 is _____ times as many as 4.	2. 15 is _____ times as many as 5.	3. 77 is _____ times as many as 7.
4. 36 is _____ times as many as 4.	5. 20 is _____ times as many as 10.	6. 250 is _____ times as many as 5.
7. 210 is _____ times as many as 3.	8. 480 is _____ times as many as 12.	9. 96 is _____ times as many as 8.
10. 360 is _____ times as many as 12.	11. 50 is _____ times as many as 10.	12. 720 is _____ times as many as 9.



Check


3 PUZZLES:
✓ EASY
✓ MEDIUM
✓ HARD

1. The number 350 is 5 times as many as 70.	2. $30 \times 4 = 120$	3. $240 = 8 \times 30$
4. The number 600 is 6 times as many as 100.	5. The number 550 is 11 times as many as 50.	6. $320 = 80 \times 4$
7. The number 280 is 3 times as many as 70.	8. $9 \times 120 = 1,080$	9. The number 990 is 90 times as many as 11.
10. The number 360 is 60 times as many as 6.	11. $720 = 80 \times 9$	12. $40 \times 11 = 440$



Check

1. John found 300 leaves at the park. This was 6 times as many leaves as he found in his backyard. How many leaves did he find in his backyard?	2. Shannon bought 3 times the number of pencils that Connor did. If Connor bought 11 pencils, how many did Shannon buy?	3. Yusuf visited 80 museums last year. His cousin visited 20. How many times more museums did Yusuf visit?
4. Jake planted 50 seeds. If Jamal planted 400 seeds, how many times as many seeds did Jamal plant?	5. Zoe adopted 4 turtles from the pet store. If the store had 10 times as many turtles for sale, how many turtles were at the store?	6. Abby had 560 pieces of candy when she got home from trick-or-treating. If that Jackson has, how many pieces of candy does he have?
7. Kennedy picked 400 flowers this month. Her brother picked 80. How many times as many flowers did Kennedy pick?	8. A bear ate 1,320 berries. If this is 12 times as many as a raccoon, how many berries did the raccoon eat?	9. Nia found 20 cents. If Malik has 80 times as many cents saved in his piggy bank, how many cents does he have?
10. Mila has 600 stickers, which is 5 times the amount that she needs to complete her art project. How many stickers does she need?	11. José has 150 stuffed animals. If this is 5 times as many as Camila, how many stuffed animals does she have?	12. A family of blue jays ate 360 worms. A robin ate 40 worms. How many times as many worms did the blue jays eat?

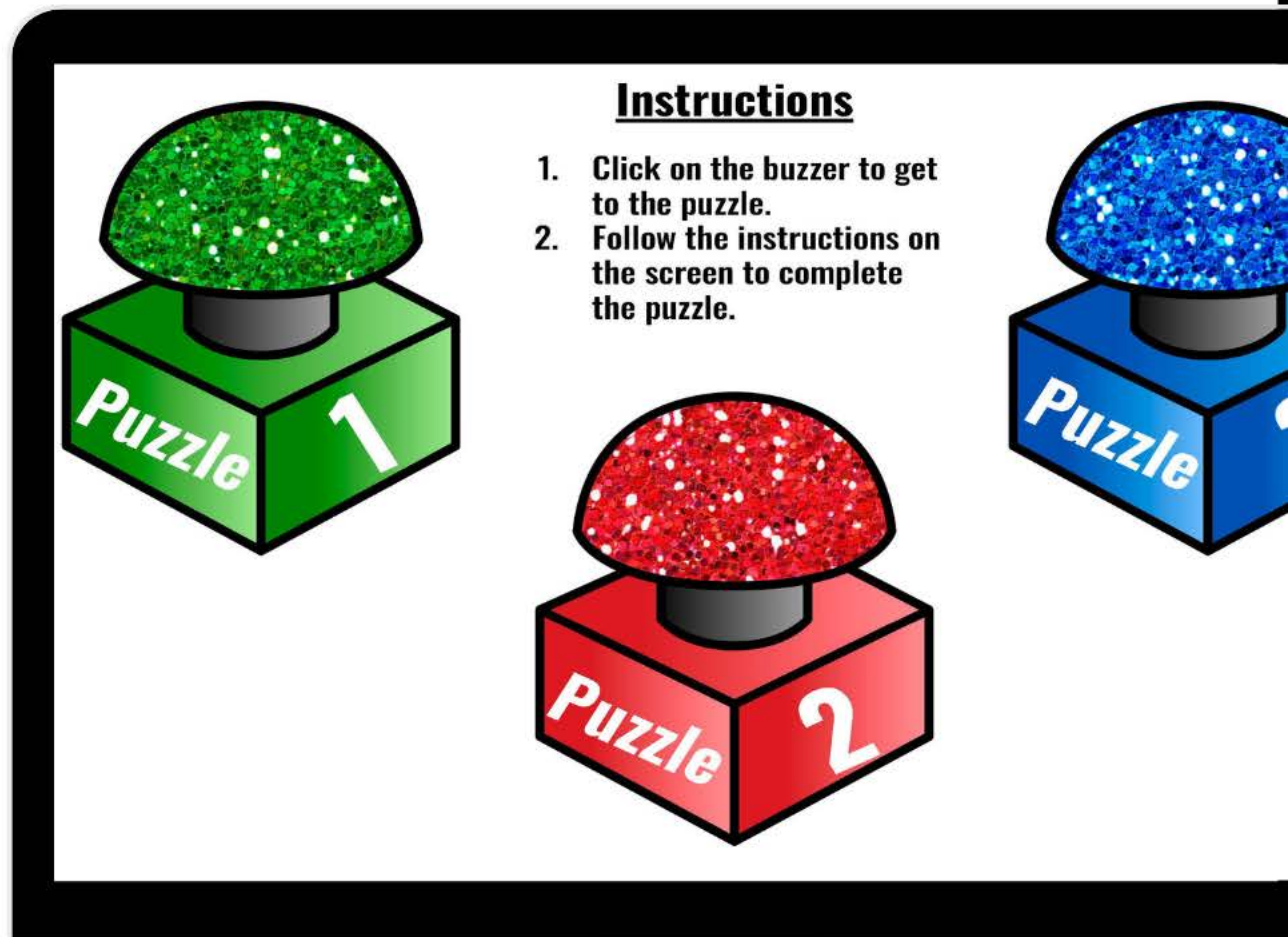


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"THIS WAS AN AMAZING RESOURCE. ALL OF MY KIDS (NO MATTER THE LEVEL) WERE ABLE TO COMPLETE THIS AND SELF-CHECK UNTIL THEY'D CORRECTED ALL MISTAKES."



DIGITAL PUZZLES

MULTIPLY & DIVIDE WORD PROBLEMS

GRADE
4

1. $n = 108$

2. A WNBA team drank 910 ounces of water during their practice. If there were 10 players who each drank the same amount, how much water did one player drink? $n = 16$

3. $n = 40$

4. If a construction worker can place 336 orange cones in one shift of 8 hours. How many cones did he place each hour? $n = 19$

5. $n = 144$

6. A baker orders 11 pounds of chocolate chips. If she orders 13 times as many pounds of flour, how many pounds of flour will she have? $n = 32$

7. $n = 72$

8. $n = 42$

8. Lincoln Elementary raised \$288 during their bake sale. If this is 4 times the amount that Washington Elementary raised, how much did Washington raise?

9. $n = 91$

10. Faith has 4 times as many baseball cards as Alex. If she has 156 cards, how many does Alex have? $n = 39$

11. $n = 143$

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

1. A pet store orders 675 pounds of dog food. If this is 25 times the amount of cat food, how much cat food was purchased?

2. Erica is knitting scarves. She needs 1,250 yards of yarn to knit five scarves. If each scarf took the same amount of yarn, how many yards of yarn are in each scarf?

3. A children's author takes an average of 21 minutes to finish a rough draft of a chapter. If the illustrator needs an average of 16 times the amount of minutes to finish her drawings for that chapter, how many minutes does she spend on her illustrations?

4. Aiden unravels a sock to get black thread. For each centimeter of the sock, he gets 178 cm of thread. If he unravels 5 cm of the sock, how much thread does he get?

5. Stefi Cohen is able to deadlift four times her body weight and has broken multiple world records. If she can deadlift 545 pounds, about how much does she weigh?

6. Michael Jordan made 565 free throws during an NBA season. If this is 5 times what Kyle made during his freshman year at Oregon State, how many free throws did Kyle make?

7. Mia is setting up TV remotes at Costco. If there are 415 batteries and each remote requires 4 batteries to operate, how many remotes can she fully set up?

8. Leo is shipping out 6 drones. The total mass is 5,280 ounces. If each drone weighs the same, what is the mass of one drone?

9. The average car weighs 2,870 pounds. The battery weighs about 41 pounds. How many times more does the car weigh than the battery?

10. Leah painted for 2,232 minutes this month. If this is 12 times as long as her friend Raymond painted, how many minutes did he spend painting?

11. The hospital is preparing dinners for one floor of patients. If each meal weighs about 24 ounces and there are 11 patients, about how much do all the meals weigh together?

12. Noah hauled in 3,000 pounds of salmon this month while working on a fishing boat. If this is 8 times what he caught the previous month, how many pounds of fish did he bring in last month?

z = 138

z = 186

z = 70

z = 264

z = 880

z = 27

z = 375

z = 890

z = 336

z = 103

z = 113

z = 250

Check

3 PUZZLES:
✓ EASY
✓ MEDIUM
✓ HARD

1. Mr. Jones just received a new shipment of posters at his store. If he has 9 empty bins to start and places 12 posters in each bin, how many total posters did he order?

2. A WNBA team drank 910 ounces of water during their practice. If there were 10 players who each drank the same amount, how much water did one player drink?

3. A produce clerk is cleaning vegetables. There are 48 carrots that need to be washed. If this number is 3 times more than the total number of broccoli bunches that are ready to be cleaned, how many bunches of broccoli are there?

4. If a construction worker can place 336 orange cones in one shift of 8 hours. How many cones did he place each hour?

5. Maya has 6 times as many markers as Byron. If Maya has 240 markers, how many does Byron have?

6. A baker orders 11 pounds of chocolate chips. If she orders 13 times as many pounds of flour, how many pounds of flour will she have?

7. Tomás scored 114 points during the last football season. If all of these points were earned through 6-point touchdowns, how many touchdowns did he score?

8. Lincoln Elementary raised \$288 during their bake sale. If this is 4 times the amount that Washington Elementary raised, how much did Washington raise?

9. Sarah and her sister Madison both built towns out of Legos. If Sarah used 576 pieces and used 4 times as many pieces as Madison, how many pieces did Madison use?

10. Faith has 4 times as many baseball cards as Alex. If she has 156 cards, how many does Alex have?

11. Hector has 8 Spiderman comic books. If his Batman comic book collection is 13 times more extensive, how many Batman comics does he own?

12. Ariana has 96 pieces of construction paper. If this is 3 times the amount that Daniel has, how many pieces does he have?

n = 40

n = 72

n = 42

n = 104

n = 144

n = 16

n = 32

n = 91

n = 3

n = 108

n = 143

n = 19

Check

1. A librarian needs to repair 8 books. If each book needs 11 pages taped, how many total pages will need to be repaired?

2. The pet store stocks 15 bags of cat food a week. If the animal shelter needs 4 times that amount, how many bags does the animal shelter need?

3. Mr. Goldsmith's class read 72 pages during independent reading time. If Ms. Bender's class read 5 times as many pages, how many pages did her class read?

4. Jessie repaired 88 phones in 11 days. If he fixed the same number of phones every day, how many phones did he repair in one day?

5. A clerk blows up 10 balloons for a birthday party. If the next customer needs 12 times that many, how many balloons does that customer order?

6. 540 dogs need to be prepped for a dog show. If each of the 60 groomers is assigned an equal number of dogs, how many dogs will one groomer prepare for the show?

7. A zoologist feeds the elephants 360 pounds of food a week. If the elephants eat 5 times the amount the lions eat, how many pounds of food do the lions eat?

8. Beth and her 7 friends have 240 water balloons to share between them. How many can each friend throw?

9. A florist bought 9 times as many roses as she did tulips. If she bought 60 tulips, how many roses did she buy?

10. Allison and her 3 friends picked 60 total apples. If each person picked an equal number, how many apples did each one pick?

11. Bryce is selling candy bars for his baseball team. If he earned \$120 and was selling boxes of candy bars for \$10, how many total boxes of candy bars did he sell?

12. A gardener has planted 8 rows of tomatoes. If each row has 30 plants, how many tomato plants are there altogether?

$360 \div 5 = 72$

$30 \times 8 = 240$

$240 \div 8 = 30$

$72 \times 5 = 360$

$60 \times 9 = 540$

$10 \times 12 = 120$

$60 \div 4 = 15$

$540 \div 60 = 9$

$8 \times 11 = 88$

$120 \div 10 = 12$

$88 \div 11 = 8$

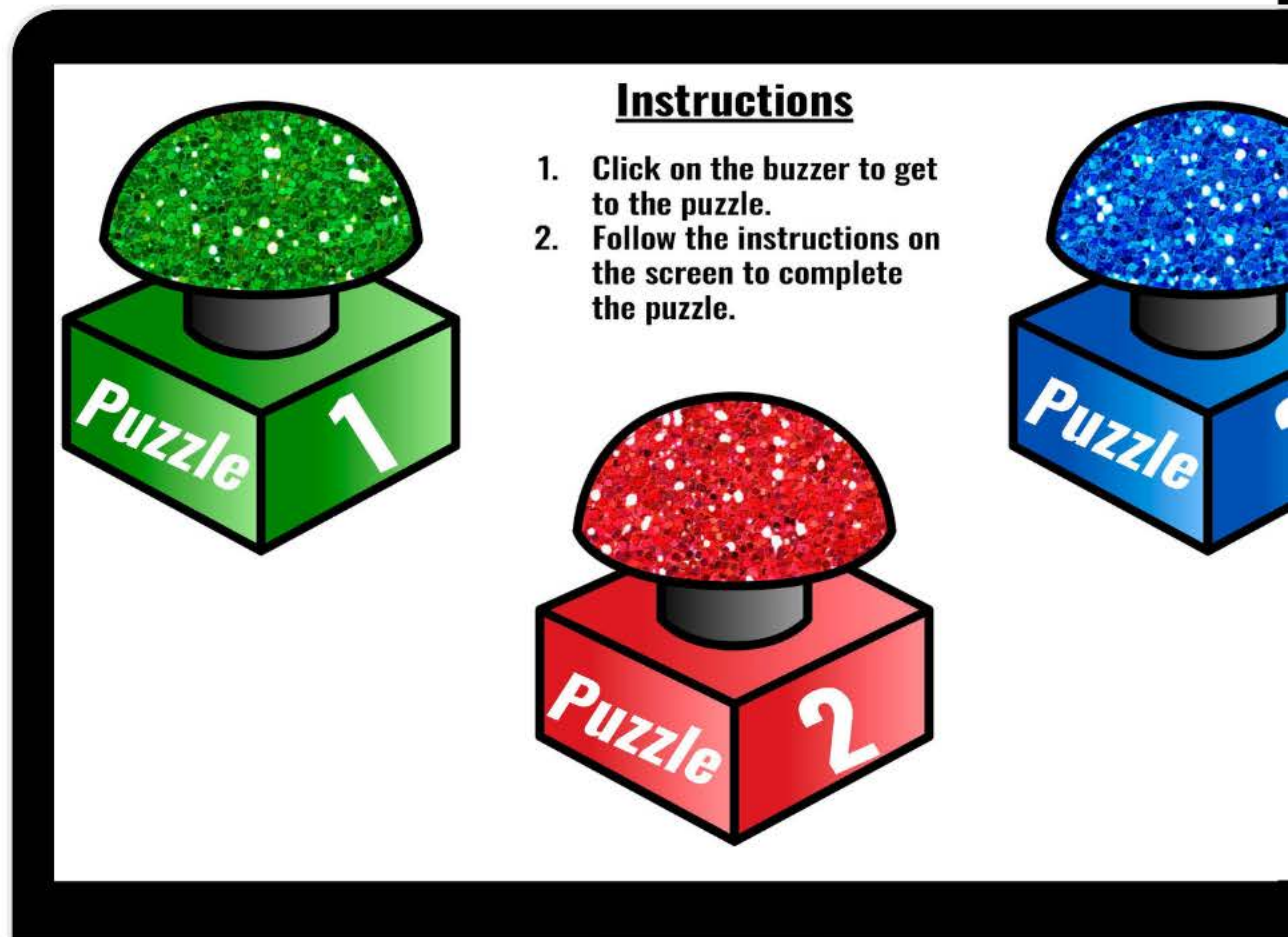
$15 \times 4 = 60$

Check

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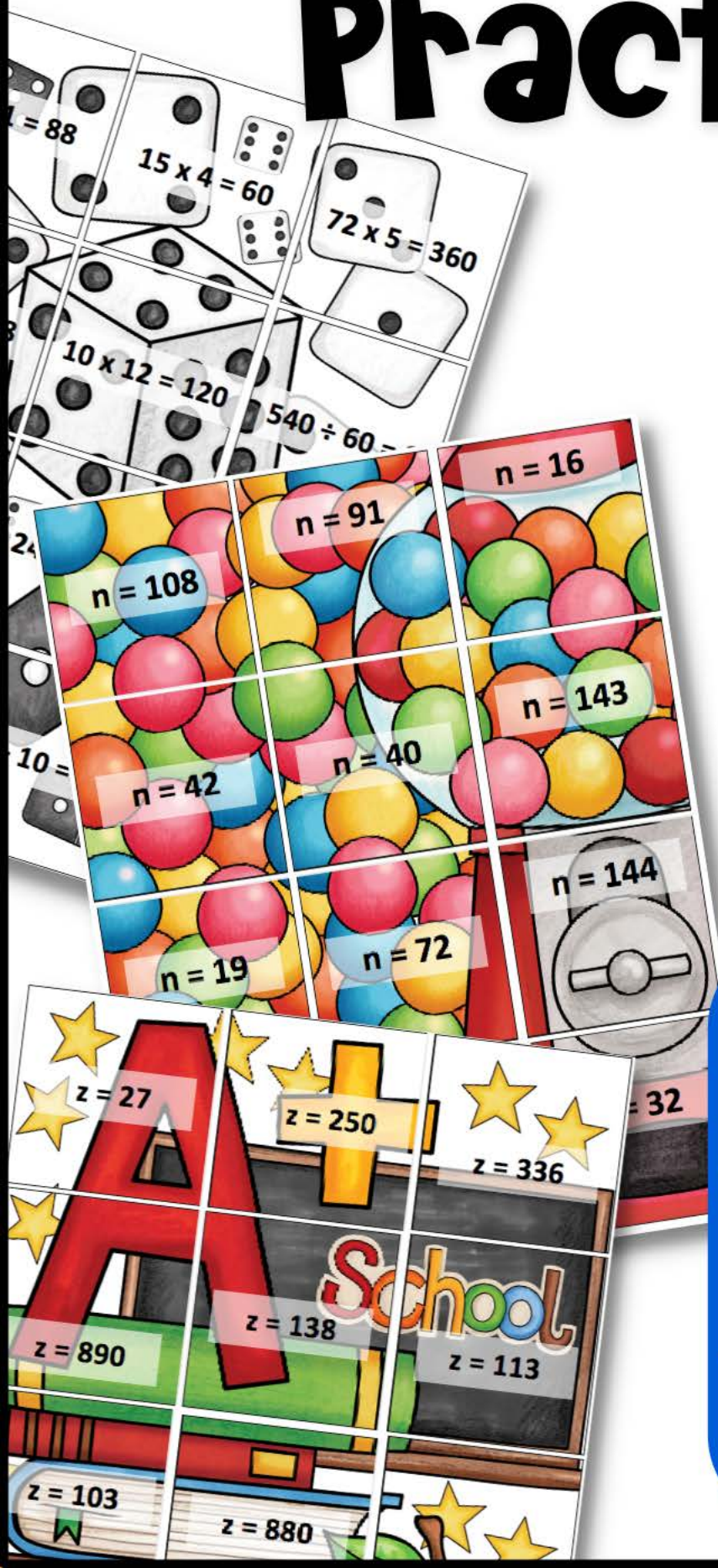


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"MY STUDENTS LOVED USING THIS RESOURCE!! I GAVE OUT THE PUZZLES ONE AT A TIME, AND THEY COULDN'T WAIT TO GET THE NEXT ONE!"



DIGITAL PUZZLES

MULTI-STEP WORD PROBLEMS

GRADE
4

$(30-20) + 40 = m$

2. Ava's favorite football team scored 38 points in their first game, 44 points in their second game, and 27 points in their third game. Estimate how many points they scored in all three games. $m =$ total points scored

$3 \times 6 + 2 = m$

4. Katarina finds 17 seashells at the beach on Saturday. She finds another 29 on Sunday. She shares half of her shells with her younger brother. Use estimation to find about how many shells she kept. $m =$ shells Katarina kept

$(4 \times 6) \div 2 = m$

6. Rashad had 3 boxes of candy bars to sell for a fundraiser. Each box has 60 candy bars. After one month, he had 62 candy bars remaining. Estimate how many candy bars he sold. $m =$ number of candy bars sold

$(20+30) \div 2 = m$

7. A doctor's office subscribes to 8 monthly magazines. After 12 months, half of the magazines have been misplaced or are too damaged to display. How many magazines are left? $m =$ number of magazines still on display

$(10 \times 10) - (3 \times 10) = m$

$(20 \times 6) + (20 \times 2) = m$

$40 + 40 + 30 = m$

$(3 \times 60) - 60 = m$

11. Byron mows his neighbor's lawns every Saturday. Two of his neighbors pay him \$10 every week, while 3 pay him \$15 a week. How much money does Byron make per week? $m =$ total money Byron earns in a week

$(200-50) \div 2 = m$

$(5 \times 30) + 60 = m$

$(8 \times 12) \div 2 = m$

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

3 PUZZLES:
 ✓ EASY
 ✓ MEDIUM
 ✓ HARD

1. Zahara is saving up her money to buy a new art kit. She earns \$5 a week for her allowance. She saves for 6 weeks, but is \$18 short. If she continues to save, how many total weeks will she have saved by the time she has enough to buy the art kit?

2. Devin has 152 crayons. If his little sisters lost 14 crayons and kept half of those that remain, how many crayons will Devin get back?

3. A dog trainer buys 9 pounds of dog treats. On average, there are 16 treats per pound. If she gives a dog 3 treats during each training session, how many sessions can she have before she needs to buy more?

4. A chef is placing an order and purchases 14 pounds of salmon. He orders 3 times the amount of shrimp. How many pounds of seafood will he purchase altogether?

5. Annie has 38 toy cars. She keeps her favorite 11, then divides the rest evenly among her 3 brothers. If her older brother Randy already had 17 toy cars, how many does he have now?

6. Ms. Samson buys 9 decks of cards for a math activity. Each deck has 52 cards. She already had 104 cards in her classroom. Using rounding strategies, estimate how many cards she has for the math activity.

7. There are 93 cars in a car show. 48 are cars that were built within the past 30 years. Half of the remaining cars were built before 1960. Estimate how many cars were built before 1960.

8. Mrs. Carmichael buys 3 boxes of graham crackers to make s'mores for a family party. There are 104 crackers in each box. Mr. Carmichael's kids eat one box of graham crackers before the party. Estimate how many s'mores can be made if it takes 2 crackers to make a s'more.

9. Ms. Hill buys 2 packs of paper bags for the 4th grade classes to decorate for Valentine's Day. Each pack has 50 bags. Each of the three 4th grade classes has 29 students. If each student receives a bag to decorate, how many bags are left over?

10. Clarissa buys 12 pizzas for a birthday party. Each pizza has 8 slices. If each of the 25 guests has 3 slices, how many slices are left over?

11. Rebecca bought 15 sticker sheets. Each sheet came with 30 stickers. After completing several art projects, she has 286 stickers remaining. Use estimation to find out how many stickers she used.

12. Ms. Bennet's class is selling raffle tickets for a school fundraiser. Each of 29 students sold 3 tickets at \$10 a piece. How much money did her class raise?

$n = 100$, $n = 21$, $n = 56$, $n = 150$, $n = 870$, $n = 26$, $n = 48$, $n = 20$, $n = 13$, $n = 10$, $n = 69$, $n = 600$

Check

1. Perry wants to set up a lemonade stand. His dad gives him \$33 for supplies. He spends \$19 buying lemons, sugar and cups. He makes \$38 dollars over the weekend. Use estimation to find how much money he has left over. $m =$ money Perry still has

2. Ava's favorite football team scored 38 points in their first game, 44 points in their second game, and 27 points in their third game. Estimate how many points they scored in all three games. $m =$ total points scored

3. One tennis ball can holds 3 tennis balls. If Maria fills up 6 cans and has 2 tennis balls left over, how many tennis balls does she have altogether? $m =$ number of tennis balls

4. Katarina finds 17 seashells at the beach on Saturday. She finds another 29 on Sunday. She shares half of her shells with her younger brother. Use estimation to find about how many shells she kept. $m =$ shells Katarina kept

5. Mrs. Sanchez buys 4 packs of paper towels. Each pack has 6 paper towel rolls in it. If her family goes through approximately 2 paper towel rolls per month, how many months will these paper towels last?

6. Rashad had 3 boxes of candy bars to sell for a fundraiser. Each box has 60 candy bars. After one month, he had 62 candy bars remaining. Estimate how many candy bars he sold. $m =$ number of candy bars sold

7. A doctor's office subscribes to 8 monthly magazines. After 12 months, half of the magazines have been misplaced or are too damaged to display. How many magazines are left? $m =$ number of magazines still on display

8. Bailey bought a 10-pack of gum. Each pack comes with 10 pieces of gum. She shares 3 packs of gum with her friends. How many pieces of gum does she still have? $m =$ pieces of gum Bailey has remaining

9. Nicolina plays video games for an average of 20 minutes a day. If she doubles that time one day this week, how many total minutes will she play this week? $m =$ number of minutes Nicolina plays this week

10. Kesha got \$204 for her birthday. She puts \$50 of it into savings and spends half of the remaining money on new clothes. Use estimation to find out how much cash she still has to spend. $m =$ money Kesha can still spend

11. Byron mows his neighbor's lawn every Saturday. Two of his neighbors pay him \$10 every week, while 3 pay him \$15 a week. How much money does Byron make per week? $m =$ total money Byron earns in a week

12. Sam has 5 textbooks in his backpack. Each textbook weighs about 32 ounces. Sam's other supplies weigh about 59 ounces. Use estimation to find how much Sam's backpack weighs. $m =$ total weight of Sam's backpack

$(4x6) \div 2 = m$, $3 \times 6 + 2 = m$, $(2x10) + (3x15) = m$, $(5x30) + 60 = m$, $(20+30) \div 2 = m$, $(200-50) \div 2 = m$, $(10x10) - (3x10) = m$, $40 + 40 + 30 = m$, $(3x60) - 60 = m$, $(30-20) + 40 = m$, $(20x6) + (20x2) = m$, $(8x12) \div 2 = m$

Check

1. Mrs. Chavez bought 5 boxes of fruit snacks for a class party. Each box had 10 fruit snacks. After the class ate their fill, there were 17 snacks remaining. If Mrs. Chavez had only opened a new box once all the snacks had been eaten from the other opened boxes, how did she open?

2. Wanda had 118 pumpkins on her farm to sell during the fall. In early September she picked 42 pumpkins. In October, storms flooded the farm and destroyed many of the remaining pumpkins that were still growing. Wanda picked what was remaining on the farm. How many pumpkins did Wanda pick in September and October?

3. A dance group has a 1-hour rehearsal. They practice their hip-hop dance four times. Now they need to practice their salsa routine, which is twice as long. If their hip-hop routine is 3 minutes long, how many times can they practice their salsa routine?

4. Clara and 5 of her friends are splitting a tub of jellybeans. The tub has 160 jellybeans. Clara puts 25 jellybeans in the equal amount to all of her friends and herself. How many jellybeans will they each get?

5. Savannah is baking apple pies. She buys 36 green apples and three times as many golden delicious apples. She uses an equal number of apples in each pie. If she made 12 apple pies, how many apples did she use in each pie?

6. A knitting club made 6 scarves. Each scarf required 250 yards of yarn. They donate 2 of the scarves to charity. How many yards of yarn are in the remaining scarves?

7. Tanya is baking brownies for a family reunion. She cuts each brownie sheet into 16 pieces. Tanya makes 8 sheets of brownies. How many leftover brownies will there be if every one of the 42 guests eats 3 brownies?

8. Madison Elementary bought 25 packs of hot dogs for a school barbecue. There are 12 hot dogs in each pack. Enough hot dog buns were purchased for every hot dog. If hot dog buns come in packs of 18, how many buns will be left over once all the hot dogs are sold?

9. An actor is trying to memorize his lines. He has 90 minutes to rehearse. He practices the first scene 7 times, which takes an average of 6 minutes each time. The final scene takes him 9 minutes to practice. How many full times can he rehearse the final scene?

10. Mr. Dawson divides his class of 28 students into equal groups of 4 for a science experiment. He takes a box of 750 toothpicks and divides them evenly among the groups until he runs out. How many leftover toothpicks does he have?

11. A bike shop has a selection of 482 bikes for sale. Twelve bikes have been put on hold for customers and are not on display. One-third of the children's bikes are on display?

12. Jonas is picking apples with his family. They fill their basket and after weighing it, find that the total weight is 2,908 grams. The weight of just their basket is 907 grams. If they picked 11 apples and each were an equal weight, how many grams would one apple weigh?

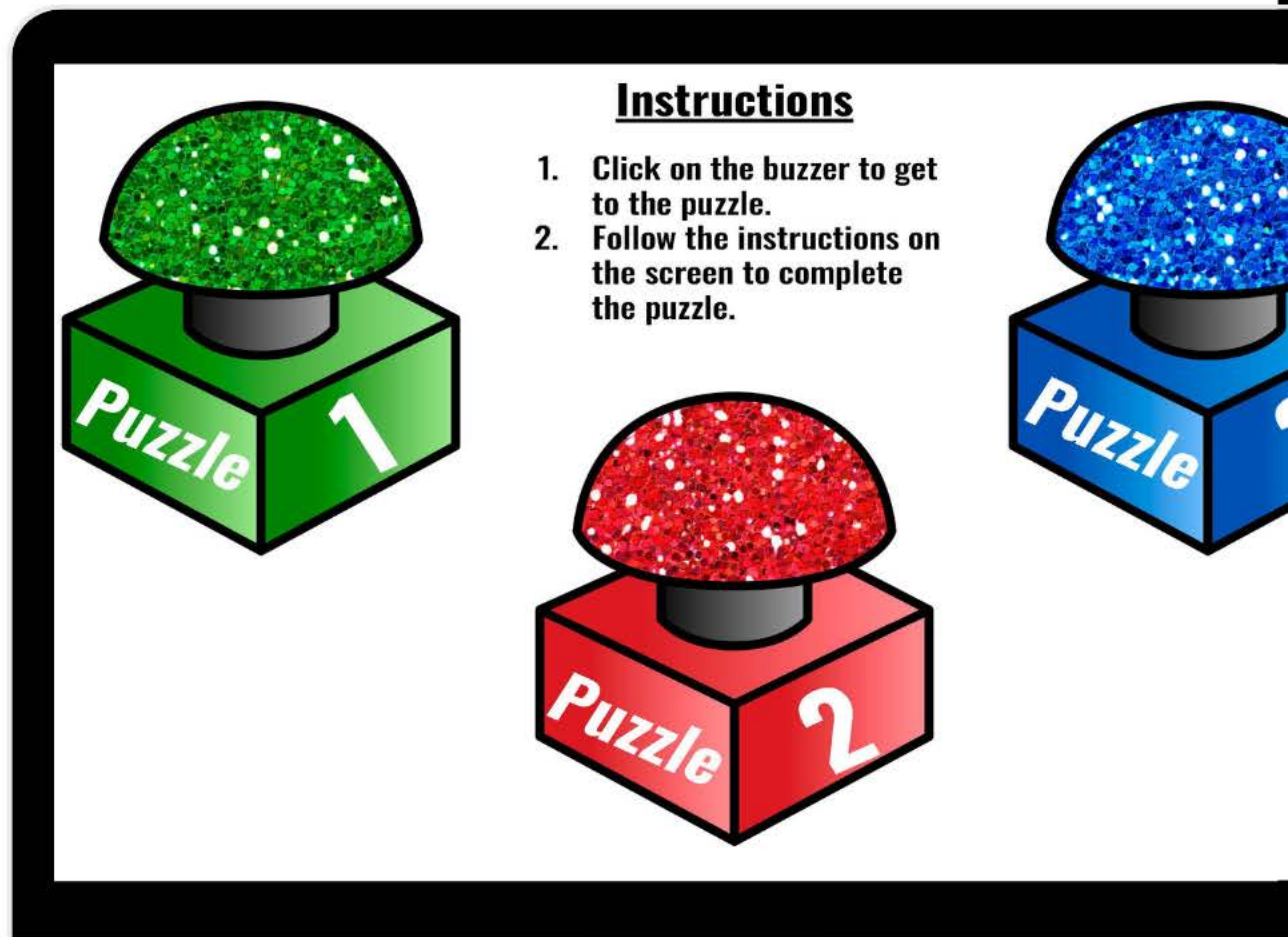
$z = 160$, $z = 6$, $z = 182$, $z = 2$, $z = 1$, $z = 80$, $z = 12$, $z = 23$, $z = 4$, $z = 1,000$, $z = 8$, $z = 5$

Check

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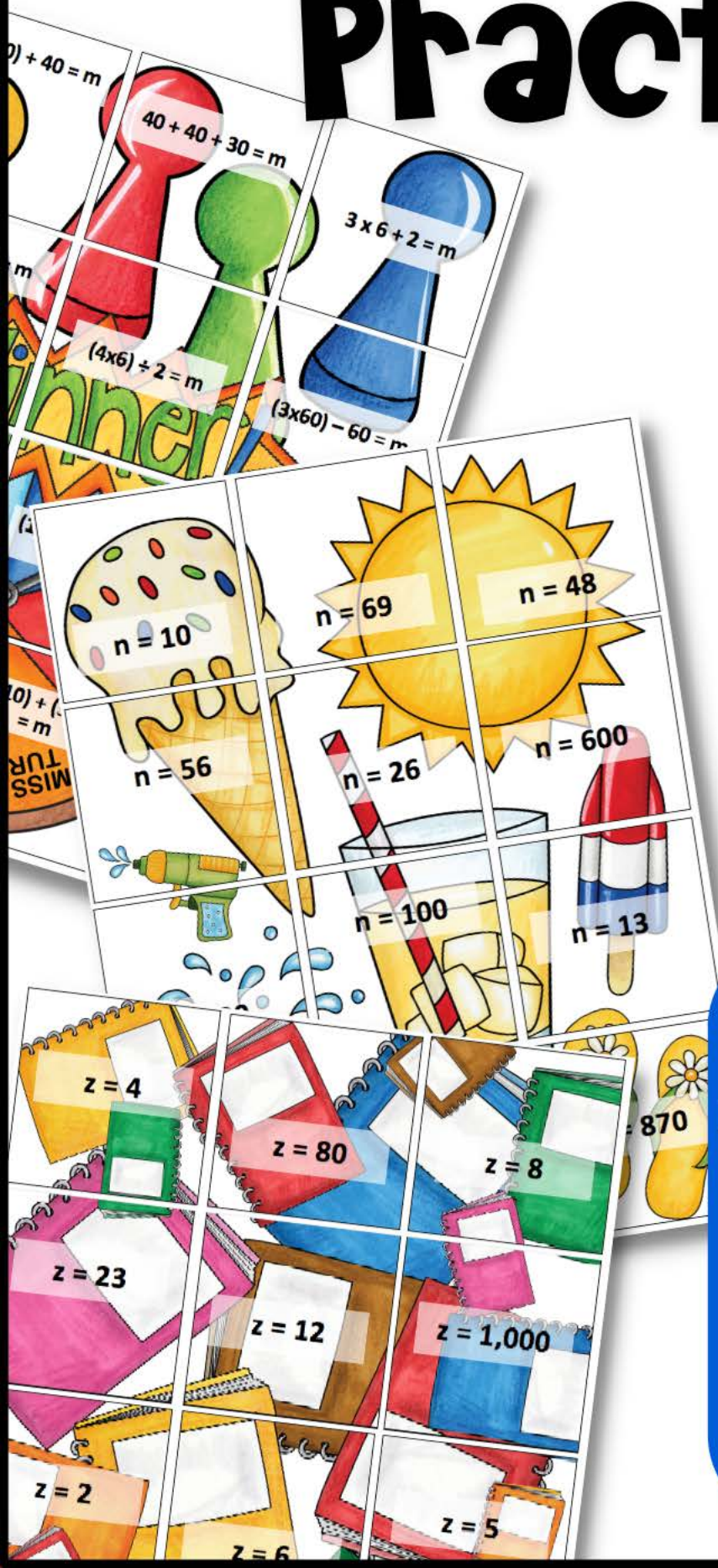


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"I LOVE THAT THE PUZZLES ARE SELF-CHECKING FOR AUTOMATIC FEEDBACK!"



DIGITAL PUZZLES

FACTORS & MULTIPLES

GRADE
4

18, 30, 36

2. Select the list that shows all of the numbers that have 30 as a multiple.

15, 25, 40, 55, 85

6, 24, 30

35, 42, 55, 56, 60

1, 5

35, 42, 77

12, 32, 44

8. Select the list of numbers that are all prime.

1, 2, 3, 4, 6, 8

10. Select the list of numbers that have 2 and 6 as factors.

22, 55, 99

12. Find the missing numbers for the chart.

First Factor	and	Second Factor
1	and	12
	and	
3	and	4

2, 6

1, 2, 3, 10, 15, 30

23, 29, 31, 37, 41

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

- 3 PUZZLES:**
- ✓ EASY
 - ✓ MEDIUM
 - ✓ HARD

1.

1	2	3
4	5	6
7	8	9
10	11	12

2. 3, 6, 9, 12, 15, 18, 21

3.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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4. 2, 3, 5, 7, 11, 13

5. 4, 8, 12, 16, 20, 24, 28

6.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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7. 4, 8, 10, 15, 16, 18, 20

8. 1 and 15, 3 and 5

9. 1 and 5

10. 8, 16, 24, 32, 40, 48

11. 1 and 23

12. 1 and 20, 2 and 10, 4 and 5

13. Multiples of 4

14. Factor Pairs for 23

15. Multiples of 8

16. Multiples of 5

17. Factor Pairs for 20

18. Factor Pairs for 15

19. Factor Pairs for 5

20. Factors for 25

21. Multiples of 10

22. Multiples of 3

23. All Composite Numbers

24. All Prime Numbers

Check

1. Select the list of numbers that have 2, 3, and 6 as factors.

2. Select the list that shows all of the numbers that have 30 as a multiple.

3. Select the list of numbers that all have 5 as a factor.

4. Select the list of numbers that are all composite.

5. Find the missing numbers for the chart.

6. Select the list of numbers that are all multiples of 7.

7. Select the list of numbers that are all factors of 24.

8. Select the list of numbers that are all prime.

9. Select the list of numbers that are all multiples of 4.

10. Select the list of numbers that have 2 and 6 as factors.

11. Select the list of numbers that all have 11 as a factor.

12. Find the missing numbers for the chart.

13. 6, 24, 30

14. 1, 5

15. 35, 42, 77

16. 18, 30, 36

17. 12, 32, 44

18. 22, 55, 95

19. 2, 6

20. 1, 2, 3, 10, 15, 30

21. 1, 2, 3, 6, 8

22. 35, 42, 55, 56, 60

23. 23, 29, 31, 37, 41

24. 15, 25, 40, 55, 85

Check

1. Find the missing numbers for the chart.

2. Select the list of numbers that are all prime.

3. Select the list of numbers that all have 92 as a multiple.

4. Select the list of numbers that all have 15 as a factor.

5. Select the list of numbers that has 4 composite numbers.

6. Select the list of numbers that all have 42, 70, and 84 as multiples.

7. Find the missing numbers for the chart.

8. A garden has an area of 56 square feet. Which could be the garden's length and width? Select possible dimensions for the garden. (Area = length x width)

9. Select one factor pair for 54.

10. Select the list of numbers that all have 6 as a factor.

11. A garden has an area of 96 square feet. Which could be the garden's length and width? Select possible dimensions for the garden. (Area = length x width)

12. Select the list of numbers that all have 4 as a factor.

13. 52, 60, 84

14. 2, 6, 7

15. 2, 4, 12, 36

16. 3 and 32

17. 2, 17, 68

18. 53, 67, 79, 97

19. 3 and 18

20. 4 and 14

21. 30, 60, 150

22. 78, 84, 96

23. 63, 77, 84, 99

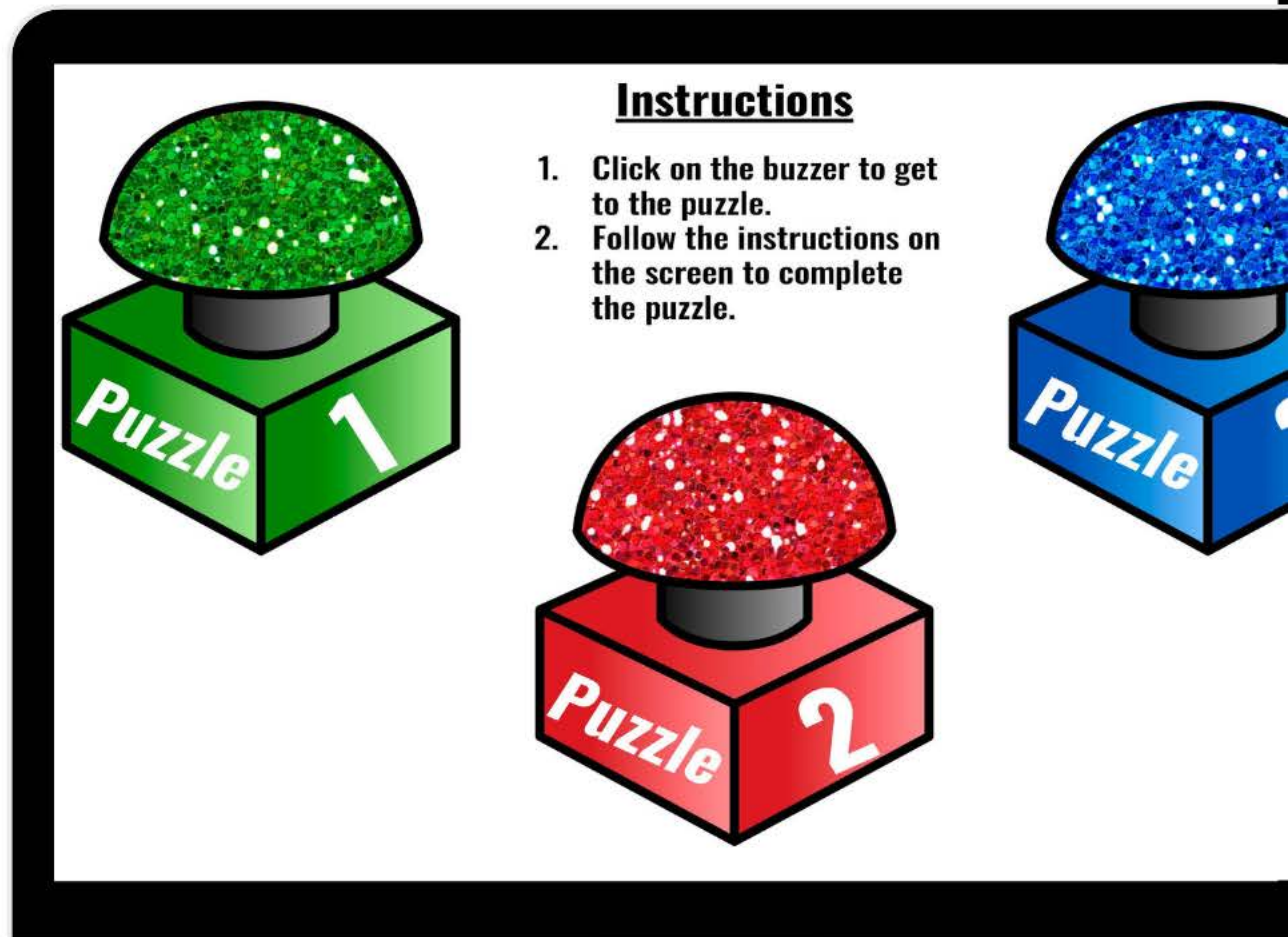
24. 2, 4, 23, 46

Check

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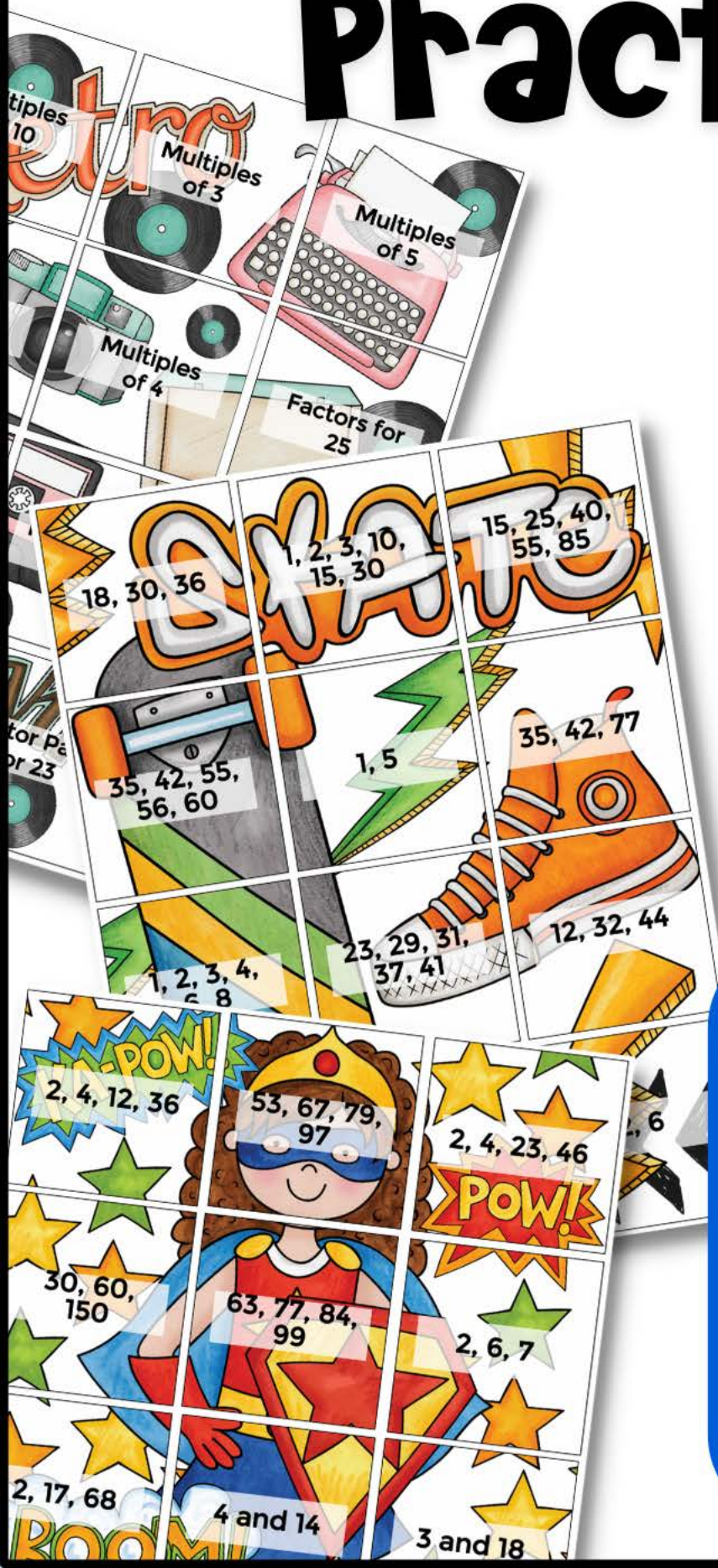


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"EXACTLY WHAT I
NEEDED TO ENGAGE THE
STUDENTS. THANKS!"



DIGITAL PUZZLES

NUMBER PATTERNS

GRADE

4

2. Find the missing number in the pattern below.
50, 40, ____, 20

4. Find the missing number in the pattern below.
15, 20, ____, 30

6. If the pattern continues, how many minutes will it take to jog 5 miles?

Miles	Minutes
1	10
2	20
3	30
4	40

10. Find the missing number in the pattern below.
8, 12, 16, ____

12. Select the rule for the following pattern.
10, 13, 16, 19

Other puzzle pieces on the screen include:
- "Add 7" with a musical note.
- "Subtract 4" with a musical note.
- "Multiply by 2" with a musical note.
- "Multiply by 3" with a bar graph.
- "Subtract 10" with a musical note.
- "30" with a musical note.
- "50" with a musical note.
- "Add 3" with a musical note.
- "25" with a musical note.
- "20" with a musical note.



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

1. Select the rule for the following pattern.
12, 19, 26, 33

2. Find the missing number in the pattern below.
50, 40, ____, 20

3. Select the rule for the following pattern.
30, 26, 22, 18

4. Find the missing number in the pattern below.
15, 20, ____, 30

5. Select the rule for the following pattern.
1, 2, 4, 8, 16

6. If the pattern continues, how many minutes will it take to jog 5 miles?

Miles	Minutes
1	10
2	20
3	30
4	40

7. Find the missing number in the pattern below.
38, 33, 28, ____

8. Select the rule for the following pattern.
1, 3, 9, 27

9. Select the rule for the following pattern.
44, 34, 24, 14

10. Find the missing number in the pattern below.
8, 12, 16, ____

11. If the pattern continues, how many wheels will 6 bikes have?

Bikes	# of wheels
1	2
2	4
3	6
4	8

12. Select the rule for the following pattern.
10, 13, 16, 19

Icons: Multiply by 2, Multiply by 3, Subtract 4, Subtract 10, Add 3, Add 7, 23, 12, 30, 50, 25, 20.

Check

3 PUZZLES:
 ✓ EASY
 ✓ MEDIUM
 ✓ HARD

1. Select the pattern that follows the rule "Add 4".

2. Find the missing number in the pattern below.
9, ____, 31, 42

3. Select the rule for the following pattern.
15, 29, 43, 57

4. If the pattern continues, how many wheels will 30 scooters have?

Scooters	# of wheels
1	3
2	6
3	9
4	12

5. Select the rule for the following pattern.
32, 16, 8, 4

6. Find the missing number in the pattern below.
90, 75, ____, 45

7. Select the pattern that follows the rule "Add 9".

8. If the pattern continues, how many legs will 12 insects have?

Insects	# of legs
1	6
2	12
3	18
4	24

9. Select the pattern that follows the rule "Add 7".

10. Select the rule for the following pattern.
5, 25, 125, 625

11. Find the missing number in the pattern below.
3, 9, ____, 81

12. Select the rule for the following pattern.
80, 68, 56, 44

Icons: 27, 28, 35, 42, 49, Divide by 2, 60, 18, 27, 36, 45, 90, 72, 72, Add 14, POW!, 20.

Check

1. Select the pattern that follows the rule "Subtract 9".

2. Sean and Sam were born on the same day different years. How old will Sam be when Sean is 30?

Sean's Age	Sam's Age
8	0
12	4
16	8
20	12

3. If the pattern continues, how many suitcases will 35 people have?

People	# of Suitcases
1	3
2	5
3	7
4	9

4. Select the rule for the following pattern.
4, 11, 39, 151

5. Find the missing number in the pattern below.
960, 240, ____, 15

6. Select the pattern that follows the rule "Divide by 2".

7. Select the rule for the following pattern.
459, 153, 51, 17

8. Find the missing number in the pattern below.
59, ____, 85, 98

9. Select the pattern that follows the rule "Add 8".

10. Find the missing number in the pattern below.
25, 41, ____, 73

11. If the pattern continues, how many pear will 25 have?

Pears	# of Pears
3	9
5	17
7	25
9	37

12. Select the pattern that follows the rule "Add 24".

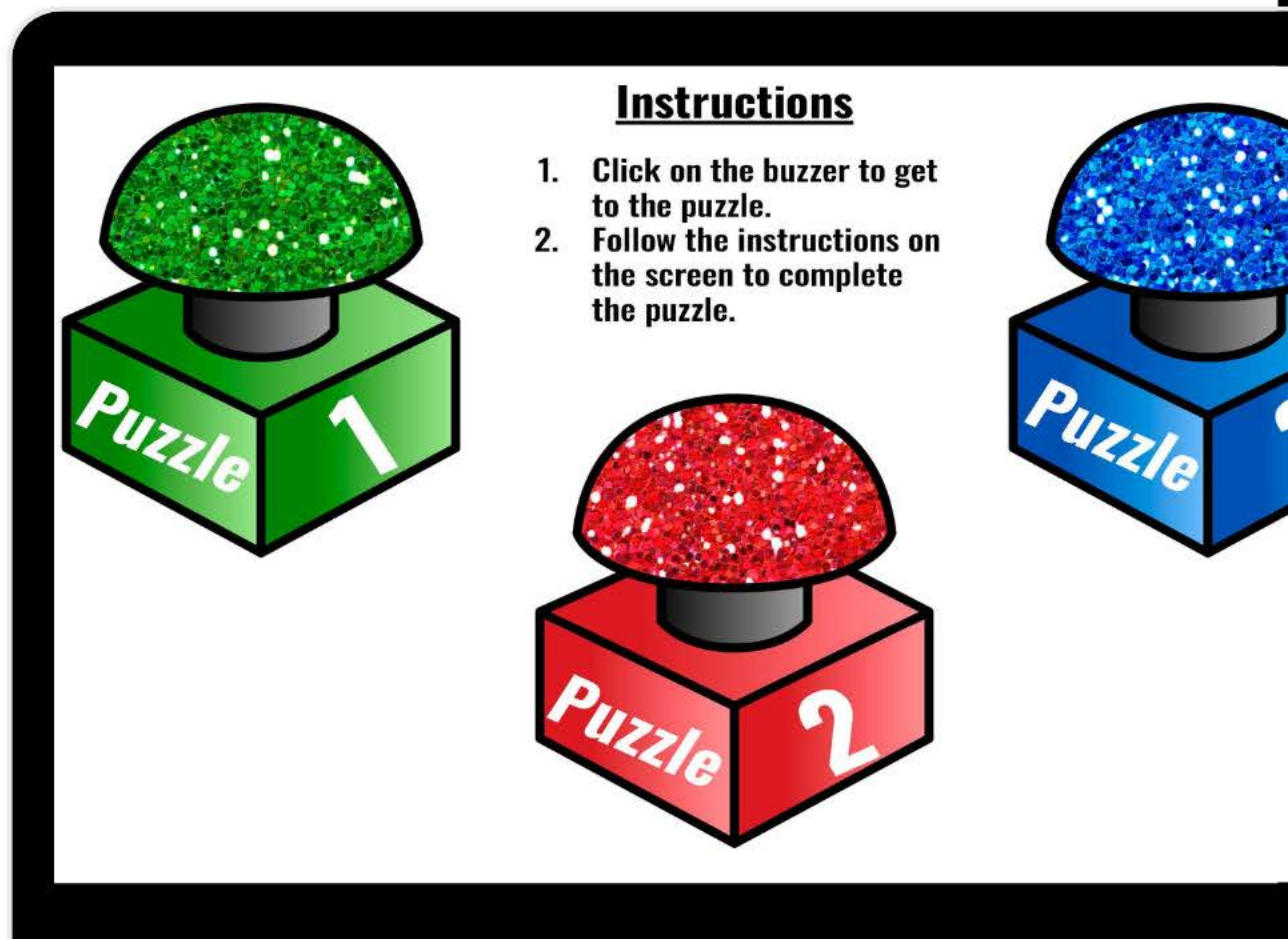
Icons: 72, 60, 84, 108, 132, 156, 97, Multiply by 4, then subtract 5, 57, 48, 56, 64, 72, 22, 72, 36, 18, 9, 71, 135, 126, 117, 108.

Check

INCLUDES:

- ✓ 3 NO PREP, SELF-CHECKING PUZZLES
- ✓ RECORDING SHEET FOR ACCOUNTABILITY
- ✓ TEACHER MANUAL
- ✓ TIPS & IDEAS
- ✓ ANSWER KEYS
- ✓ EMAIL SUPPORT

PARTNER WORK
SMALL GROUPS
CENTERS
EARLY FINISHERS
INDEPENDENT PRACTICE
1:1 CLASSROOMS
DISTANCE LEARNING



Fun & Engaging Practice!

- DIGITAL (NO PRINTING)
- NO PREP
- WORKS IN ANY BROWSER
- WORKS ON ANY DEVICE
- SELF-CHECKING
- IMMEDIATE FEEDBACK
- ACADEMICALLY ENGAGING



"MY STUDENTS AND I
FOUND THIS VERY
HELPFUL AND ENGAGING!"



DIGITAL PUZZLES

ALL STANDARDS

GRADE

4

18, 30, 36

2. Select the list that shows all of the numbers that have 30 as a multiple.

15, 25, 40, 55, 85

6, 24, 30

35, 42, 55, 56, 60

1, 5

35, 42, 77

12, 32, 44

8. Select the list of numbers that are all prime.

1, 2, 3, 4, 6, 8

2, 6

1, 2, 3, 10, 15, 30

10. Select the list of numbers that have 2 and 6 as factors.

22, 55, 99

12. Find the missing numbers for the chart.

First Factor		Second Factor
1	and	12
	and	
3	and	4

23, 29, 31, 37, 41

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

15 R3

2 Kara bought 84 cupcakes to share equally with 5 of her friends. How many full cupcakes will each person get?

$75 \div 3$

4 Quentin bought 161 flowers and needed to divide them equally into 7 vases before delivering them on Valentine's Day. How many flowers were in each vase?

24 R1

122

153 R2

$1,470 \div 7$

607

23

92 R2

81

462 \div 5

25

210

14

Check

3 PUZZLES FOR EACH STANDARD:

- ✓ EASY
- ✓ MEDIUM
- ✓ HARD

CRAYON

0.09

0.9

99/100

48/100

6/100

4. Choose the equivalent fraction.

0.06

66/100

6/10

CRAYONS

0.63

3/100+

3/10

0.78

8. Choose the equivalent decimal.

0.33

0.99

10. Choose the equivalent fraction.

0.08 + 0.4

75/100

67/100

PAINT

Check

1 Find the product.

$8 \times \frac{1}{6}$

8

12

6

5

4. Find the product.

9x

4

12

11

12

9. Find the equivalent product.

$7 \times \frac{3}{5}$

18 \times $\frac{1}{6}$

45 \times $\frac{1}{12}$

21 \times $\frac{1}{5}$

10. Minnie bought 8 pieces of fabric that were each $\frac{1}{5}$ yards long. How many yards of fabric did Minnie buy?

yards

5

6

7

12

8

6

8

5

9

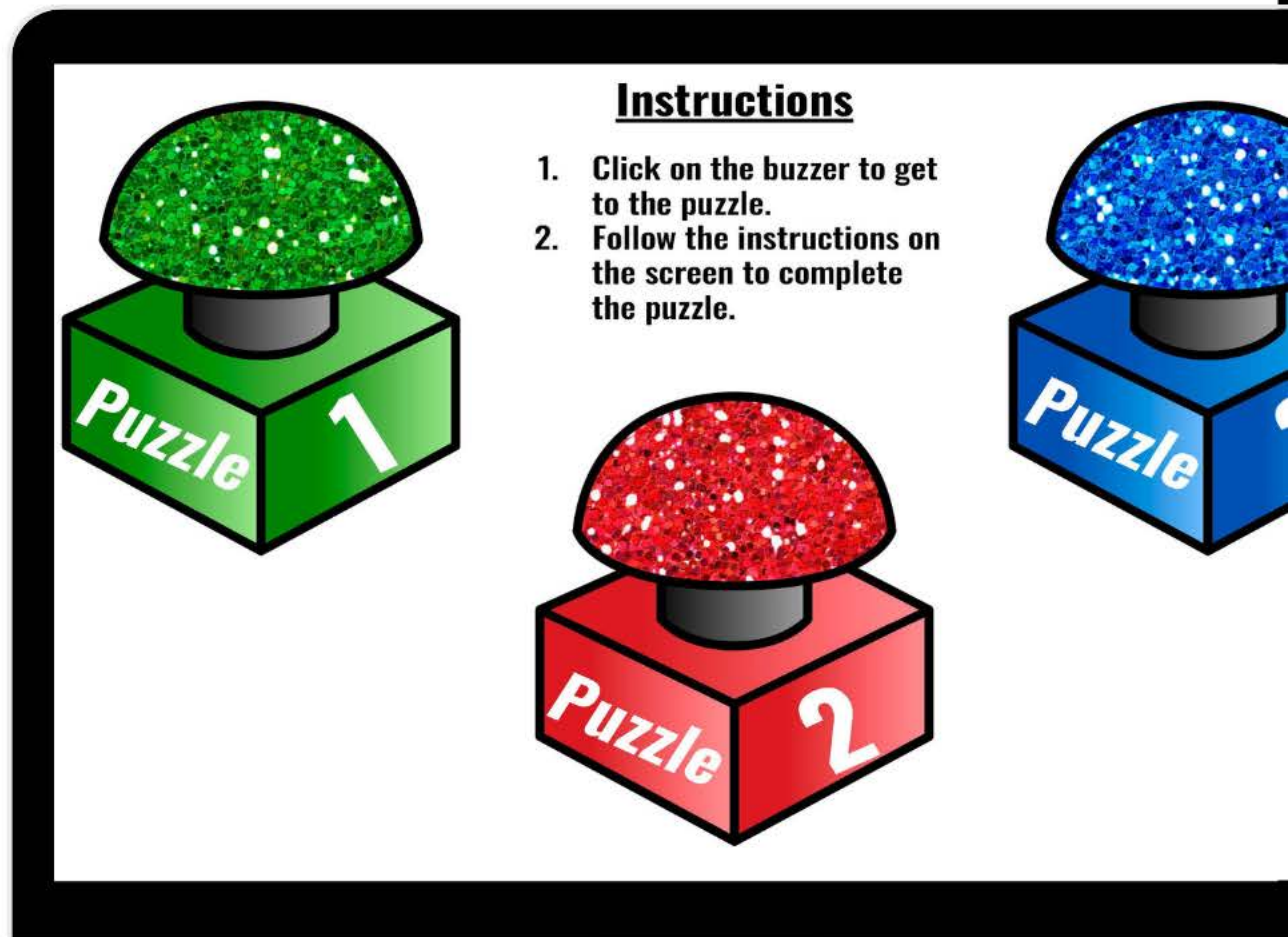
12

Check

INCLUDES:

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- ✓ RECORDING SHEET FOR ACCOUNTABILITY
- ✓ TEACHER MANUAL
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"EXCELLENT
RESOURCE!"