

DIGITAL PUZZLES

READ, WRITE, & COMPARE DECIMALS

GRADE
5

eight and thirty-two hundredths

$(8 \times 1) + (3 \times 1/10) + (2 \times 1/100)$ **8.032**

sixteen and eighty-four hundredths **23.88**

47.25

4. Write 16.84 in word form.

$(1 \times 10) + (6 \times 1) + (8 \times 1/10) + (4 \times 1/100)$ **61.48**

$(3 \times 100) + (6 \times 10) + (5 \times 1) + (5 \times 1/10)$

$(1 \times 10) + (8 \times 1) + (2 \times 1/10) + (3 \times 1/100)$

7. Write 487.045 in word form.

8. Write three hundred sixty-five and five tenths in expanded form.

9. Write $(4 \times 10) + (7 \times 1) + (2 \times 1/10) + (5 \times 1/100)$ in numeral form.

four hundred eighty-seven and forty-five thousandths

10. Write 18.23 in word form.

11. Write 18.23 in expanded form.

12. Write $(2 \times 10) + (3 \times 1) + (8 \times 1/10) + (8 \times 1/100)$ in numeral form.

eighteen and twenty-three hundredths

Check



SELF-CHECKING | NO PREP

USE ON ANY DEVICE

WITH AN INTERNET CONNECTION!

1. Write 8.32 in word form.

2. Write 8.32 in expanded form.

3. Write eight and thirty-two thousandths in numeral form.

4. Write 16.84 in word form.

5. Write 16.84 in expanded form.

6. Write sixty-one and forty-eight hundredths in numeral form.

7. Write 487.045 in word form.

8. Write three hundred sixty-five and five tenths in expanded form.

9. Write $(4 \times 10) + (7 \times 1) + (2 \times 1/10) + (5 \times 1/100)$ in numeral form.

10. Write 18.23 in word form.

11. Write 18.23 in expanded form.

12. Write $(2 \times 10) + (3 \times 1) + (8 \times 1/10) + (8 \times 1/100)$ in numeral form.

Answers: sixteen and eighty-four hundredths (23.88), 47.25, 61.48, $(3 \times 100) + (6 \times 10) + (5 \times 1) + (5 \times 1/10)$, $(1 \times 10) + (8 \times 1) + (2 \times 1/10) + (3 \times 1/100)$, four hundred eighty-seven and forty-five thousandths (8.032), eight and thirty-two hundredths, $(8 \times 1) + (3 \times 1/10) + (2 \times 1/100)$, eighteen and twenty-three hundredths, $(1 \times 10) + (6 \times 1) + (8 \times 1/10) + (4 \times 1/100)$.

Check

3 PUZZLES:
✓ EASY
✓ MEDIUM
✓ HARD

1. Order from least to greatest: 0.96, 9.6, 0.096, 96

2. Order from least to greatest: 8.2, 8.25, 8.02, 8

3. Order from least to greatest: 92.5, 9.2, 9.25, 92.05

4. Order from least to greatest: 5.25, 52.5, 5.05, 25.5

5. Order from least to greatest: 82, 8.2, 8.02, 8.05

6. Order from least to greatest: 25.5, 5.52, 25.02, 25.05

7. Order from greatest to least: 3.26, 32.6, 32.06, 3.62

8. Order from greatest to least: 7.04, 74, 7.4, 74.4

9. Order from greatest to least: 32.6, 3.62, 30.6, 30.02

10. Order from greatest to least: 2.4, 24, 24.02, 0.24

11. Order from greatest to least: 74.4, 7.04, 74.04, 740

12. Order from greatest to least: 24.02, 0.24, 20.4, 2.04

Answers: 74.4, 74, 7.4, 7.04; 5.05, 5.25, 25.5, 52.5; 24.02, 20.4, 2.04, 0.24; 32.6, 30.6, 30.02, 3.62; 32.6, 32.06, 3.62, 3.26; 8, 8.02, 8.05, 8.25; 0.096, 0.96, 9.6, 96; 8.02, 8.05, 8.2, 82; 24.02, 2.4, 0.24; 5.52, 25.02, 25.05, 25.5; 740, 74.4, 74.04, 7.04; 9.2, 9.25, 92.05, 92.5.

Check

1. Select all options that have the same value as 8.53
A. eight and fifty-three hundredths $(8 \times 10) + (53 \times 1/10)$
B. $8 + 0.5 + 0.03$
C. $(8 \times 1) + (53 \times 1/10) + (3 \times 1/100)$

2. Select all options that have the same value as 96.8
A. $9 + 6 + 0.8$
B. ninety-six and eight tenths $(9 \times 10) + (6 \times 1) + (8 \times 1/10)$
C. $80 + 2 + 0.07$
D. 82.7

3. Select all options that have the same value as 63.5
A. 6 tens, 3 ones, and 5 tenths $(6 \times 10) + (3 \times 1) + (5 \times 1/10)$
B. $(6 \times 10) + (3 \times 1) + (5 \times 1/10)$
C. $(6 \times 100) + (3 \times 10) + (5 \times 1)$
D. sixty-three and five tenths

4. Select all options that have the same value as 7.43
A. seven and forty-three tenths $(7 \times 10) + (43 \times 1/10)$
B. seven and forty-three hundredths $(7 \times 1) + (43 \times 1/100)$
C. seven tens, four ones, and three tenths $(7 \times 10) + (4 \times 1) + (3 \times 1/10)$
D. $(7 \times 10) + (4 \times 1) + (3 \times 1/10)$

5. Select all options that have the same value as eighty-two and seven hundredths
A. 82.07
B. $(8 \times 10) + (2 \times 1) + (7 \times 1/10)$
C. $80 + 2 + 0.07$
D. 82.7

6. Select all options that have the same value as twenty-three and fourteen hundredths
A. 23.014
B. $20 + 3 + 14$
C. $(2 \times 10) + (3 \times 1) + (14 \times 1/10)$
D. 23.14

7. Select all options that have the same value as four hundred eighty-two and six tenths
A. 482.6
B. $(4 \times 100) + (8 \times 10) + (2 \times 1) + (6 \times 1/10)$
C. 482.06
D. $(4 \times 100) + (2 \times 10) + (8 \times 1) + (6 \times 1/100)$

8. Select all options that have the same value as twenty-seven and eight thousandths
A. 27.8
B. $20 + 7 + 0.08$
C. 27.008
D. $(2 \times 10) + (7 \times 1) + (8 \times 1/1000)$

9. Select all options that have the same value as $(3 \times 10) + (4 \times 1) + (8 \times 1/100)$
A. 34.08
B. 34.8
C. thirty-four and eight tenths $(3 \times 10) + (4 \times 1) + (8 \times 1/10)$
D. thirty-four and eight hundredths $(3 \times 10) + (4 \times 1) + (8 \times 1/100)$

10. Select all options that have the same value as $(8 \times 100) + (6 \times 1) + (7 \times 1/10)$
A. 806.7
B. eight hundred six and seven tenths $(8 \times 100) + (6 \times 1) + (7 \times 1/10)$
C. $800 + 6 + 0.7$
D. 86.7

11. Select all options that have the same value as $(5 \times 10) + (2 \times 1) + (9 \times 1/10)$
A. 52.09
B. 52.9
C. fifty-two and nine tenths $(5 \times 10) + (2 \times 1) + (9 \times 1/10)$
D. fifty-two and nine tenths

12. Select all options that have the same value as $(1 \times 10) + (8 \times 1) + (5 \times 1/10) + (9 \times 1/1000)$
A. 18.59
B. 18.509
C. eighteen and five hundred nine thousandths $(1 \times 10) + (8 \times 1) + (5 \times 1/10) + (9 \times 1/1000)$
D. $10 + 8 + 0.05 + 0.009$

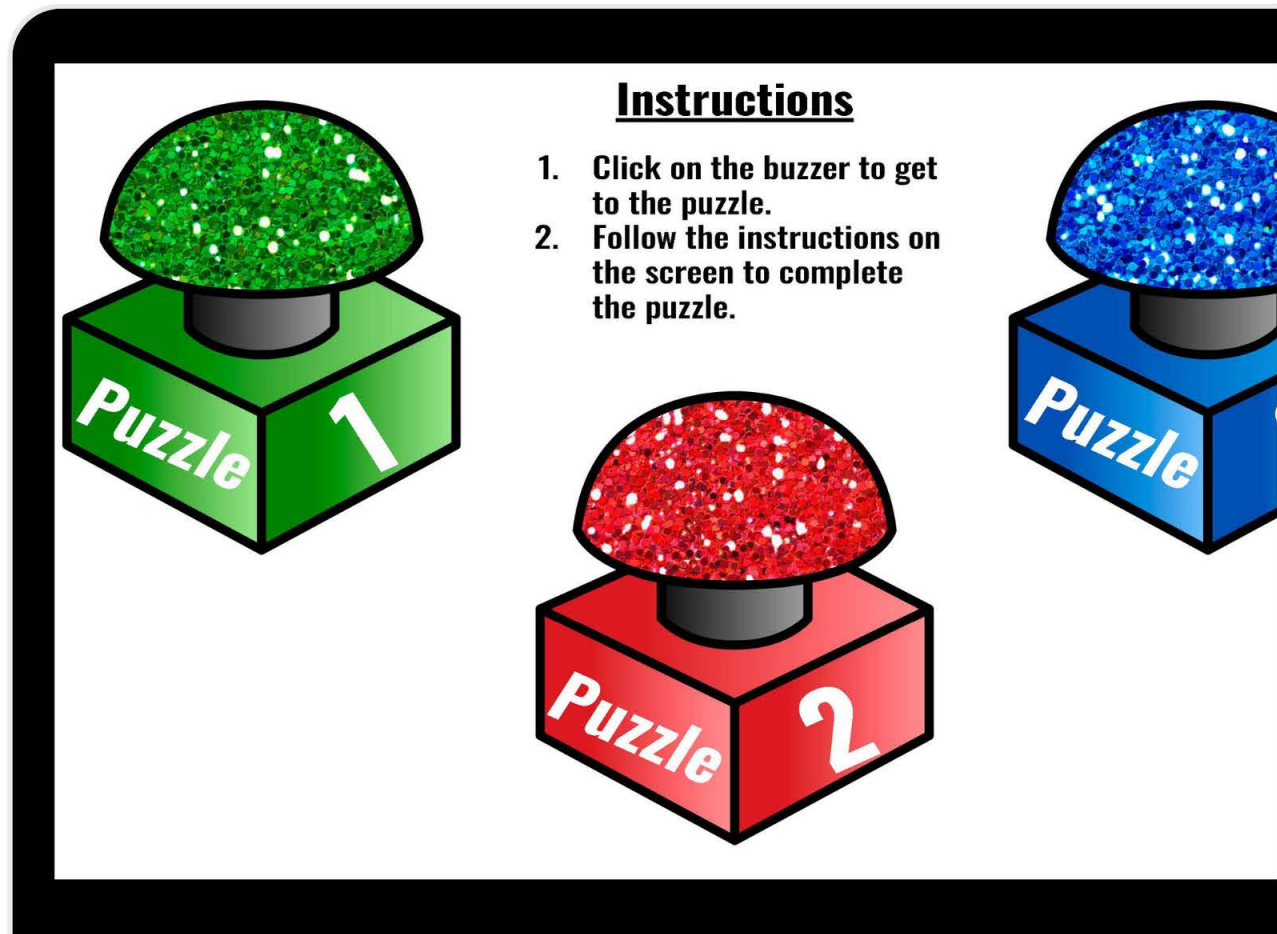
Answers: B, D; B; A; C, D; A, B, C; B, C, D; A, B; A, C, D; D; A, C; B, C; A, B, D.

Check

INCLUDES:

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



"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."

