

MULTIPLY FRACTIONS

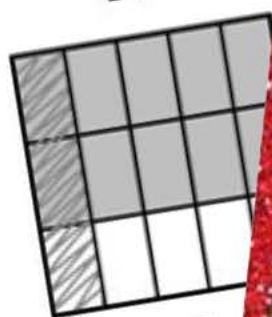
U-K-N-O-W

GRADE

5

MULTIPLY
FRACTIONS

1



$$\frac{2}{3} \times \frac{1}{5}$$

MULTIPLY
FRACTIONS

Skip

MULTIPLY
FRACTIONS

Reverse

Find the area of the
rectangle below.

$\frac{1}{2}$ meters



$\frac{1}{4}$
meters

Jacob needs $1\frac{1}{2}$ cups
of sugar to make
a whole cake. How
much sugar would
he need to make half
a cake?

MULTIPLY
FRACTIONS

Wild

DRAW 4

Will the product of

$$\frac{3}{2} \times 8$$

be greater than, less
than, or equal to 7?



MATH REVIEW GAME

COLOR & INK FRIENDLY

VERSIONS INCLUDED!

MULTIPLY FRACTIONS

9

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$\frac{1}{4} \times$

MULTIPLY FRACTIONS

Skip

Jerome collected $6\frac{2}{3}$ pounds of food for the food drive. Kinsey collected $1\frac{1}{2}$ times as much food as Jerome. How many pounds of food did Kinsey collect?

MULTIPLY FRACTIONS

9

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$\frac{1}{4} \times \frac{1}{5}$




MULTIPLY FRACTIONS




Skip




Jerome collected $6\frac{2}{3}$ pounds of food for the food drive. Kinsey collected $1\frac{1}{2}$ times as much food as Jerome. How many pounds of food did Kinsey collect?




56 DIFFERENT CARDS




TO PRACTICE THE SKILL!




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|---|--|---|---|
| MULTIPLY FRACTIONS 1  $\frac{2}{3} \times \frac{1}{5} = ?$ | MULTIPLY FRACTIONS 2 Find the product. $\frac{1}{5} \times 5$ | MULTIPLY FRACTIONS 3 Use the model to find the area of the shaded part of the whole.  | MULTIPLY FRACTIONS 4 Ezequiel counted 36 dogs at the dog park. One-third of the dogs are small breeds. How many of the dogs are small breeds? |
| MULTIPLY FRACTIONS 5 3 gallons of punch each with $\frac{1}{5}$ orange juice. How much orange juice was used in all?  | MULTIPLY FRACTIONS 6 Find the product. $\frac{1}{3} \times \frac{3}{4}$ | MULTIPLY FRACTIONS 7 Will the product of $\frac{3}{4} \times 5$ be greater than, less than, or equal to 5? | MULTIPLY FRACTIONS 8 One-fourth of a $\frac{3}{4}$ acre park has been reserved for a dog park. How many acres is the dog park? |


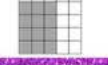

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|---|--|---|---|
| MULTIPLY FRACTIONS 9  $\frac{1}{4} \times \frac{1}{5} = ?$ | MULTIPLY FRACTIONS Draw 2 Find the product. $\frac{4}{7} \times 8$ | MULTIPLY FRACTIONS Reverse Use the model to find the area of the shaded part of the whole.  | MULTIPLY FRACTIONS Skip Amanda Shout Elementary School started a garden. Four-fifths of the garden is planted with vegetables. Of that section, $\frac{1}{5}$ is planted with corn. What fraction of the vegetable garden is planted with corn? |
| MULTIPLY FRACTIONS 9 3 pans of brownies are cut into 6 brownies for each pan. How many brownies are there?  | MULTIPLY FRACTIONS Draw 2 Find the product. $\frac{2}{3} \times \frac{5}{12}$ | MULTIPLY FRACTIONS Reverse Will the product of $\frac{5}{4} \times 7$ be greater than, less than, or equal to 7? | MULTIPLY FRACTIONS Skip Jerome collected $6\frac{2}{3}$ pounds of food for the food drive. Kinsey collected $1\frac{1}{2}$ times as much food as Jerome. How many pounds of food did Kinsey collect? |

| | | | |
|---|--|---|--|
| MULTIPLY FRACTIONS 1  $\frac{2}{5} \times \frac{3}{4} = ?$ | MULTIPLY FRACTIONS 2 Find the product. $\frac{3}{2} \times 4$ | MULTIPLY FRACTIONS 3 Use the model to find the area of the shaded part of the whole.  | MULTIPLY FRACTIONS 4 One lap around the track is a distance of $\frac{1}{4}$ mile. If the track team ran 9 laps around the track, how many miles did they run? |
| MULTIPLY FRACTIONS 5 5 pizzas each have $\frac{3}{8}$ slices left after the party. How much pizza is left over?  | MULTIPLY FRACTIONS 6 Find the product. $\frac{1}{2} \times \frac{3}{7}$ | MULTIPLY FRACTIONS 7 Will the product of $\frac{7}{8} \times 4$ be greater than, less than, or equal to 4? | MULTIPLY FRACTIONS 8 A vet weighs two puppies. The small puppy weighs $\frac{1}{2}$ pounds. The larger puppy weighs $2\frac{1}{4}$ times as much as the small puppy. How much does the larger puppy weigh? |

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| MULTIPLY FRACTIONS 1  $\frac{1}{3} \times \frac{5}{6} = ?$ | MULTIPLY FRACTIONS 2 Find the product. $\frac{3}{7} \times 10$ | MULTIPLY FRACTIONS 3 Use the model to find the area of the shaded part of the whole.  | MULTIPLY FRACTIONS 4 A baker is making 12 apple tarts. Each tart contains $\frac{2}{3}$ cup of apples. Does the baker need more or less than 12 cups of apples to make the tarts? |
| MULTIPLY FRACTIONS 5 3 cakes are each cut into 12 pieces. How many pieces of cake in all?  | MULTIPLY FRACTIONS 6 Find the product. $\frac{1}{3} \times \frac{5}{8}$ | MULTIPLY FRACTIONS 7 Will the product of $\frac{5}{3} \times 3$ be greater than, less than, or equal to 3? | MULTIPLY FRACTIONS 8 Leone lives $3\frac{3}{7}$ miles from the school. Minelvis lives $1\frac{1}{3}$ times as far as Leone. How far does Minelvis live from the school? |

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| MULTIPLY FRACTIONS 9  $\frac{1}{2} \times \frac{2}{5} = ?$ | MULTIPLY FRACTIONS Draw 2 Find the product. $\frac{5}{7} \times 4$ | MULTIPLY FRACTIONS Reverse Find the area of the rectangle below.  | MULTIPLY FRACTIONS Skip Davina used 24 beads to make a necklace. One-fourth of the beads were blue. How many beads are blue? |
| MULTIPLY FRACTIONS 9 There are 4 pounds of trail mix each with $\frac{1}{5}$ raisins. How much raisins were used?  | MULTIPLY FRACTIONS Draw 2 Find the product. $\frac{3}{5} \times \frac{1}{2}$ | MULTIPLY FRACTIONS Reverse Will the product of $\frac{5}{5} \times 6$ be greater than, less than, or equal to 6? | MULTIPLY FRACTIONS Skip Jacob needs $\frac{1}{2}$ cups of sugar to make a whole cake. How much sugar would he need to make half of a cake? |

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|---|---|---|--|
| MULTIPLY FRACTIONS 1  $\frac{1}{2} \times \frac{1}{3} = ?$ | MULTIPLY FRACTIONS 2 Find the product. $\frac{2}{3} \times 9$ | MULTIPLY FRACTIONS 3 Find the area of the rectangle below.  | MULTIPLY FRACTIONS 4 Neetu has $\frac{7}{10}$ of her math project left to do. If she finishes $\frac{1}{2}$ of that today, how much of her math project will Neetu finish today? |
| MULTIPLY FRACTIONS 5 There were 9 cookies each with $\frac{1}{4}$ cup of chocolate chips. How cups of chocolate chips were used?  | MULTIPLY FRACTIONS 6 Find the product. $\frac{2}{3} \times \frac{7}{10}$ | MULTIPLY FRACTIONS 7 Will the product of $\frac{1}{3} \times 9$ be greater than, less than, or equal to 9? | MULTIPLY FRACTIONS 8 Kyle worked $3\frac{1}{3}$ hours on her science project. Gwen worked $1\frac{1}{2}$ times as long as Kyle. How long did Gwen work on his science project? |

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| MULTIPLY FRACTIONS Wild  $\frac{2}{3} \times \frac{3}{5} = ?$ | MULTIPLY FRACTIONS Wild Find the product. $\frac{5}{9} \times 6$ | MULTIPLY FRACTIONS Wild Use the model to find the area of the shaded part of the whole.  | MULTIPLY FRACTIONS Wild Sasha's bedroom rug is $2\frac{2}{5}$ feet long and $2\frac{1}{3}$ feet wide. What is the area of the rug? |
| MULTIPLY FRACTIONS Wild DRAW 4 There were 4 sandwiches each cut into 4 pieces. How many pieces of sandwich total?  | MULTIPLY FRACTIONS Wild DRAW 4 Find the product. $\frac{1}{7} \times \frac{2}{9}$ | MULTIPLY FRACTIONS Wild DRAW 4 Will the product of $\frac{3}{2} \times 8$ be greater than, less than, or equal to 7? | MULTIPLY FRACTIONS Wild DRAW 4 Basketball practice was $2\frac{3}{5}$ hours long. Three-fifths of the time was spent practicing drills. How long did the team practice drills? |

INCLUDES:

- ✓ 56 COLOR CARDS
- ✓ 56 INK-FRIENDLY CARDS
- ✓ DIRECTIONS FOR PLAYING
- ✓ ANSWER KEY
- ✓ ACCOUNTABILITY PAGES
- ✓ "CHEAT SHEET"

U-KNOW Recording Sheet

name: _____
 date: _____
 topic: _____

Color: _____ Card Type: _____
 Answer: _____ Work

Color: _____ Card Type: _____
 Answer: _____ Work

Color: _____ Card Type: _____
 Answer: _____ Work

Color: _____ Card Type: _____
 Answer: _____ Work

MULTIPLY FRACTIONS CHEAT SHEET

MULTIPLYING A FRACTION BY A FRACTION

STEP 1 Multiply the numerators. **STEP 2** Multiply the denominators. **STEP 3** Reduce/Simplify.

$$\frac{3}{5} \times \frac{5}{6} = \frac{15}{30} = \frac{1}{2}$$

MULTIPLYING A FRACTION BY A WHOLE NUMBER

STEP 1 Rewrite the whole number as a fraction. **STEP 2** Multiply the fractions. **STEP 3** Reduce/Simplify.

$$8 \times \frac{1}{3} = \frac{8}{1} \times \frac{1}{3} = \frac{8}{3} = 2\frac{2}{3}$$

MULTIPLYING MIXED NUMBERS

STEP 1 Convert mixed number to improper fractions. **STEP 2** Multiply the fractions. **STEP 3** Convert back to mixed number & reduce/simplify.

$$1\frac{1}{4} \times \frac{5}{8} = \frac{5}{4} \times \frac{5}{8} = \frac{25}{32} = 0\frac{25}{32}$$

MULTIPLY FRACTIONS U-KNOW ANSWER KEY

| | BLUE | GREEN | RED | YELLOW |
|-----|--|---|---|---|
| 1: | $\frac{2}{15}$ | 1: $\frac{6}{20} = \frac{3}{10}$ | 1: $\frac{5}{18}$ | 1: $\frac{1}{6}$ |
| 2: | $\frac{5}{5} = 1$ | 2: $\frac{12}{2} = 6$ | 2: $\frac{30}{7} = 4\frac{2}{7}$ | 2: $\frac{18}{3} = 6$ |
| 3: | $\frac{15}{24} = \frac{5}{8}$ square units | 3: $\frac{15}{30} = \frac{1}{2}$ square units | 3: $\frac{12}{20} = \frac{3}{5}$ square units | 3: $\frac{20}{6} = 3\frac{2}{3}$ meters |
| 4: | 12 dogs | 4: $2\frac{1}{4}$ miles | 4: less than | 4: $\frac{7}{20}$ of her math project |
| 5: | $\frac{3}{4}$ of a gallon | 5: $1\frac{7}{8}$ pizzas | 5: 36 pieces | 5: $1\frac{1}{8}$ cups |
| 6: | $\frac{3}{2} = \frac{1}{4}$ | 6: $\frac{3}{14}$ | 6: $\frac{5}{24}$ | 6: $\frac{14}{30} = \frac{7}{15}$ |
| 7: | less than | 7: less than | 7: greater than | 7: less than |
| 8: | $\frac{7}{16}$ of an acre | 8: $\frac{72}{6} = 12$ pounds | 8: $\frac{72}{21} = 3\frac{3}{7}$ miles | 8: $\frac{80}{15} = 5\frac{5}{15} = 5\frac{1}{3}$ hours |
| 9: | $\frac{1}{20}$ | 9: 18 brownies | 9: $\frac{2}{10} = \frac{1}{5}$ | 9: $\frac{4}{6} = \frac{2}{3}$ of a pound |
| D2: | $\frac{32}{7} = 4\frac{4}{7}$ | D2: $\frac{10}{36} = \frac{5}{18}$ | D2: $\frac{20}{7} = 2\frac{6}{7}$ | D2: $\frac{3}{10}$ |
| R: | $\frac{25}{35} = \frac{5}{7}$ square units | R: greater than | R: $\frac{15}{8} = 1\frac{7}{8}$ meters | R: equal |
| S: | $\frac{4}{20} = \frac{1}{5}$ of the garden | S: $\frac{60}{6} = 10$ pounds | S: 6 beads | S: $\frac{3}{4}$ of a cup |

| WILD (DRAW 4) | |
|---------------|--|
| 1 | 16 pieces |
| 2 | $\frac{2}{63}$ |
| 3 | greater than |
| 4 | $\frac{33}{20} = 1\frac{13}{20}$ hours |

YOUR STUDENTS WILL BE BEGGING TO PLAY!!

USE FOR CENTERS, EARLY FINISHERS, SMALL GROUPS & MORE. STUDENTS HAVE ASKED TO PLAY AT LUNCH AND EVEN DURING RECESS!!



"MY STUDENTS BEGGED TO PLAY THIS GAME, I BOUGHT MULTIPLE VERSIONS TO GO WITH DIFFERENT TOPICS FOR OUR MATHEMATICS LESSONS. WHAT A GREAT GAME TO PLAY AND PRACTICE! THANK YOU!"



"THE STUDENTS WERE ENGAGED IN THE GAME ASPECT! GREAT WAY TO PRACTICE. THE GRAPHICS ARE ALSO REALLY GREAT!"

