

4.NF.B.4

MULTIPLY FRACTIONS BY WHOLE NUMBERS

TASK CARDS

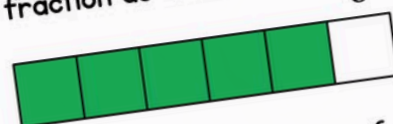
ANSWER SHEET

Date: _____

#	Answer	Card #	Answer
1.		16.	
2.		17.	
3.		18.	
4.		19.	
5.		20.	
6.		21.	
7.		22.	
8.		23.	
9.		24.	
10.		25.	
		26.	

2 Multiply Fractions by Whole Numbers

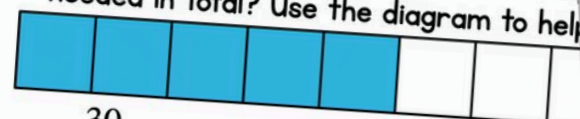
The model shows $\frac{5}{6}$. How can you represent this fraction as a multiple of $\frac{1}{6}$?



- a. $5 \times \frac{1}{6}$ c. $6 \times \frac{1}{5}$

23 Multiply Fractions by Whole Numbers

Each person at a party eats $\frac{5}{8}$ of a sandwich. If there are 6 people, how many sandwiches needed in total? Use the diagram to help.

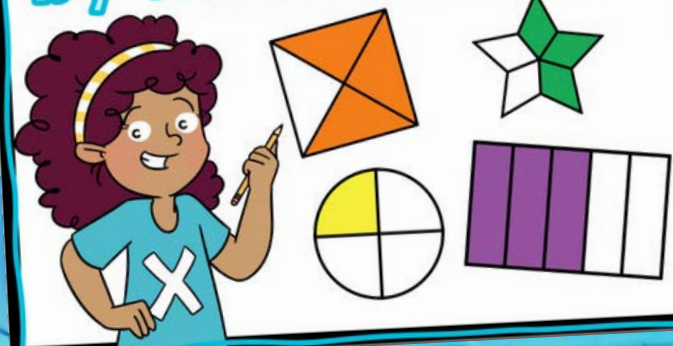


- a. $\frac{30}{8}$ sandwiches c. $\frac{13}{8}$ sandwiches
b. $\frac{48}{8}$ sandwiches d. $\frac{11}{8}$ sandwiches

Multiply Fractions by Whole Numbers CHALLENGE

A family is planning a camping trip. They bring 5 containers of water, each containing $\frac{5}{6}$ of a gallon. During the trip, they use $\frac{4}{6}$ of a gallon for cooking. How much water is left at the end of the trip?

Multiply Fractions by Whole Numbers



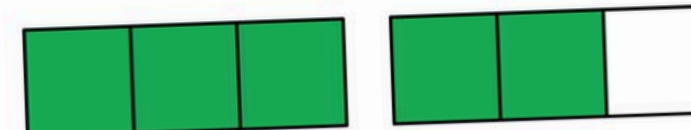
13 Multiply Fractions by Whole Numbers

If the model shown is multiplied by 3, which equation matches the multiple of the unit fraction?



- a. $2 \times \frac{1}{5}$ c. $5 \times \frac{1}{5}$
b. $1 \times \frac{1}{5}$ d. $2 \times \frac{2}{5}$

Which equation does the model represent as a multiple of $\frac{1}{3}$?



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

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

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

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

PRINTABLE AND DIGITAL

- 30 PRINT-AND-GO TASK CARDS
- READY TO USE FOR CENTERS

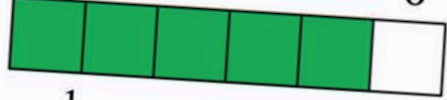
22 Multiply Fractions by Whole Numbers

If 4 cups are filled with the same fraction of juice, how much juice is there in total?



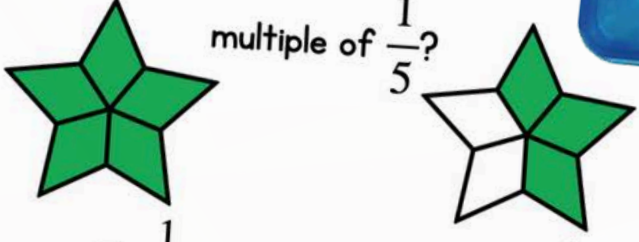
2 Multiply Fractions by Whole Numbers

The model shows $\frac{5}{6}$. How can you represent the fraction as a multiple of $\frac{1}{6}$?

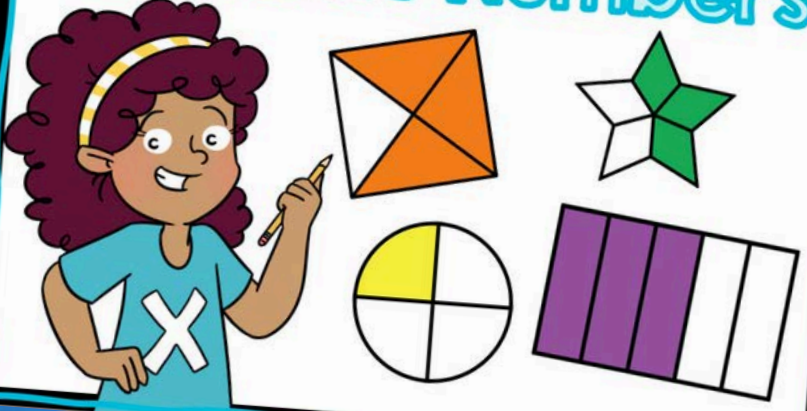


4 Multiply Fractions by Whole Numbers

Which equation does the model represent as a multiple of $\frac{1}{5}$?



Multiply Fractions by Whole Numbers



Multiply Fractions by Whole Numbers

CHALLENGE

A family is planning a camping trip. They bring 7 containers of water, each containing $\frac{5}{6}$ of a gallon.

During the trip, they use $\frac{4}{6}$ of a gallon for cooking each day for 6 days. How much water is left at the end of the trip?

ANSWER SHEET

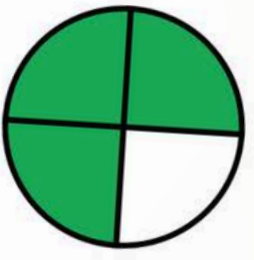
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10.		25.	
11.		26.	
12.		27.	
13.		28.	
14.		29.	
15.		30.	



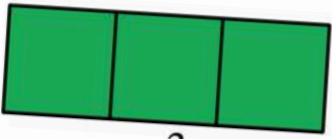
1 Multiply Fractions by Whole Numbers

Which equation does this model represent?



3 Multiply Fractions by Whole Numbers

Which equation does the model represent as a multiple of $\frac{1}{3}$?



SELF CORRECTING, INCLUDES REPORTING CERTIFICATE

17 Multiply Fractions by Whole Numbers

Anna has 3 boxes of strawberries. Each box contains $\frac{2}{3}$ of a box of strawberries. How many boxes of strawberries does she have in total?

18 Multiply Fractions by Whole Numbers

A recipe uses $\frac{3}{4}$ of a cup of flour. If the recipe is tripled, how many $\frac{1}{4}$ cups of flour will be used?

- quarter cups c. 12 quarter cups
quarter cups d. 9 quarter cups

25 Multiply Fractions by Whole Numbers

Leo uses $\frac{4}{9}$ of a gallon of paint for each wall he paints. If he paints 6 walls, how much paint does he use in total?

- a. $\frac{6}{4}$ gallons c. $\frac{24}{9}$ gallons
b. $\frac{4}{6}$ gallons d. $\frac{54}{9}$ gallons

27 Multiply Fractions by Whole Numbers

Chloe uses $\frac{5}{6}$ of a cup of flour to make 1 batch of cookies. If the chef makes 7 batches, how much flour is used in total?

- a. $\frac{1}{6}$ cups c. $\frac{1}{6}$ cups
b. $\frac{3}{6}$ cups d. $\frac{3}{6}$ cups

INCORRECT

The correct answer is $6 \times \frac{1}{4}$.

CONTINUE

Multiply Fractions by Whole Numbers

A farmer uses $\frac{2}{3}$ of a row to plant tomato seeds. If the farmer plants 6 more rows, how much of the garden is taken by tomato seeds?

- $6 \times \frac{1}{3}$ c. $18 \times \frac{1}{3}$
 $12 \times \frac{1}{3}$ d. $3 \times \frac{1}{3}$

SHUFFLES CARDS, SO STUDENTS
CAN PRACTICE MORE THAN ONCE

ANSWER SHEET

Name: _____

Card #	Answer
1.	
2.	
3.	
4.	

Multiply Fractions by Whole Numbers CHALLENGE

A family is planning a camping trip. They have 3 containers of water, each containing $\frac{1}{7}$ of a gallon. During the trip, they use $\frac{4}{6}$ of a gallon each day for 6 days. How much water is left at the end of the trip?

15.

Multiply Fractions by Whole Numbers

Which equation does this model represent?

Multiply Fractions by Whole Numbers

The model shows $\frac{5}{6}$. How can you represent this fraction as a multiple of $\frac{1}{6}$?

Multiply Fractions by Whole Numbers

How many cups of sugar into her cake can this fraction be a multiple of $\frac{1}{4}$?

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

d. $4 \times \frac{4}{4}$

Multiply Fractions by Whole Numbers

She uses $\frac{4}{5}$ of a bag of sugar in one cake. If she makes 6 cakes, which equation shows how much sugar is used?

$6 \times \frac{5}{4} = \frac{30}{4}$

Multiply Fractions by Whole Numbers

You have _____

You _____

You _____

Tablet Screen:

What happens if you multiply the fraction $\frac{3}{7}$ by 4?

You have 3 groups of $\frac{4}{7}$

You multiply 7 by 4

You add 4 to $\frac{3}{7}$

You have 4 groups of $\frac{3}{7}$

STANDARDS ALIGNED

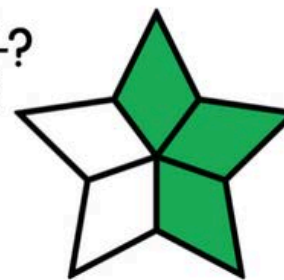
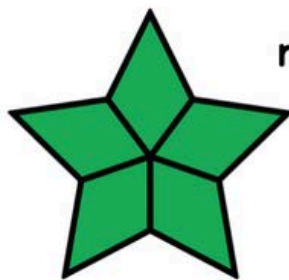
30 Multiply Fractions by Whole Numbers

A juice box contains $\frac{7}{12}$ of a liter of juice. If there are 8 juice boxes, which equation shows how much juice there is in total?

- a. $\frac{7}{12} + 8 = \frac{15}{12}$ c. $8 \times \frac{7}{12} = \frac{56}{12}$
 b. $8 \times \frac{12}{7} = \frac{96}{7}$ d. $8 \times \frac{1}{12} = \frac{8}{12}$

4 Multiply Fractions by Whole Numbers

Which equation does the model represent as a multiple of $\frac{1}{5}$?



- a. $7 \times \frac{1}{5}$ c. $8 \times \frac{1}{5}$
 b. $5 \times \frac{1}{5}$ d. $5 \times \frac{5}{5}$

7 Multiply Fractions by Whole Numbers

Solve the equation $8 \times \frac{1}{5}$.

- a. $\frac{5}{8}$ c. $\frac{8}{5}$
 b. $\frac{1}{8}$ d. $\frac{9}{5}$

Multiply Fractions by Whole Numbers CHALLENGE

A family is planning a camping trip. They bring 7 containers of water, each containing $\frac{5}{6}$ of a gallon.

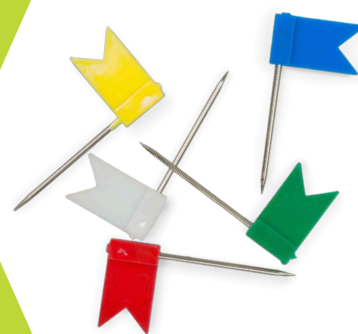
During the trip, they use $\frac{4}{6}$ of a gallon for cooking each day for 6 days. How much water is left at the end of the trip?

16 Multiply Fractions by Whole Numbers

What is $\frac{8}{5} \times 3$ as a unit fraction whole number?

- a. $3 \times \frac{1}{5}$
 b. $40 \times \frac{1}{5}$

USE OVER AND OVER FOR CENTERS, GAMES, AND REVIEW



23 Multiply Fractions by Whole Numbers
Each person at a party eats $\frac{5}{8}$ of a sandwich. If there are 6 people, how many sandwiches are needed in total? Use the diagram to help.

Multiply Fractions by Whole Numbers
CHALLENGE
Family is planning a trip. They bring 7 $\frac{5}{6}$ of a gallon. How much more of a gallon for cooking oil is left at the store?

ANSWER SHEET
Name: _____ Date: _____

Card #	Answer
1	
2	
3	
4	
5	
6	
7	
8	
9	

9 Multiply Fractions by Whole Numbers
A pizza is cut into 10 equal slices. Henry ate 9 of the slices. Which equation shows how much of the pizza he ate as a fraction?

a. $9 + \frac{1}{10}$ c. $10 \times \frac{1}{9}$
b. $9 \times \frac{1}{10}$ d. $10 + \frac{1}{9}$

10 Multiply Fractions by Whole Numbers
A baker poured five $\frac{1}{4}$ cups of sugar into her cookie recipe. How can this fraction be represented as a multiple of $\frac{1}{4}$?

a. $4 \times \frac{1}{4}$ c. $5 \times \frac{1}{4}$
b. $5 \times \frac{4}{1}$ d. $4 \times \frac{4}{4}$

2 Multiply Fractions by Whole Numbers
The model shows $\frac{5}{6}$. How can you represent this fraction as a multiple of $\frac{1}{6}$?

a. $5 \times \frac{1}{6}$
b. $6 \times \frac{1}{6}$

11 Multiply Fractions by Whole Numbers
If you multiply the fraction shown by 3, how many parts will be shaded? Use the remaining models to help your thinking.

a. 6 c. 2
b. 8 d. 3

12 Multiply Fractions by Whole Numbers
What happens if you multiply the fraction $\frac{3}{7}$ by 4?

a. You have 4 groups of $\frac{3}{7}$.
b. You have 4 groups of $\frac{3}{7}$.
c. You have 4 groups of $\frac{3}{7}$.
d. You have 4 groups of $\frac{3}{7}$.



Multiply Fractions by Whole Numbers
The model represents a multiple of $\frac{1}{3}$.

c. $3 \times \frac{1}{3}$

4 Multiply Fractions by Whole Numbers
Which equation does the model represent as a multiple of $\frac{1}{5}$?

a. $7 \times \frac{1}{5}$ c. $8 \times \frac{1}{5}$
b. $5 \times \frac{1}{5}$ d. $5 \times \frac{5}{5}$

Whole Numbers
If you multiply the fraction $\frac{2}{5}$ by 3, which equation represents the product?

a. $2 \times \frac{1}{5}$ c. $5 \times \frac{1}{5}$
b. $6 \times \frac{1}{5}$ d. $3 \times \frac{2}{5}$

