



**THIRD SPACE
LEARNING**

Exit Tickets

Domain: Number and
Operations – Fractions

5th grade

Exit Tickets

Name:

Directions: Calculate each sum.

Standard

5.NF.1

Focus: Add fractions with unlike denominators (including mixed numbers)

a. $\frac{3}{8} + \frac{1}{2}$

b. $5\frac{1}{4} + 2\frac{2}{3}$



THIRD SPACE LEARNING

Name:

Directions: Calculate each subtraction.

Standard

5.NF.1

Focus: Subtract fractions with unlike denominators (including mixed numbers)

a. $\frac{5}{6} - \frac{1}{2}$

b. $6\frac{2}{5} - 1\frac{1}{3}$



THIRD SPACE LEARNING

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Name:

Directions: Solve each word problem.

Standard

5.NF.2

Focus: Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators.

a. Gabriel bought the next book

in his favorite series. Last week, he read $\frac{1}{3}$ of the book. This week, he read $\frac{3}{5}$ of the book. What fraction of the book has he read so far?

b. Rosa is baking cookies. Her recipe calls for $\frac{3}{4}$ cup of sugar. She only has $\frac{1}{2}$ cup of sugar. How much more sugar does she need?



THIRD SPACE LEARNING

Name:

Directions: Calculate each division.

Standard

5.NF.3

Focus: Interpret a fraction as division of the numerator by the denominator ($\frac{a}{b} = a \div b$).

a. $3 \div 5 =$

c. $1 \div 4 =$

b. $2 \div 9 =$

d. $6 \div 5 =$



THIRD SPACE LEARNING

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Name:

Standard**5.NF.3**

Focus: Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers

Question: Dan has 3 candy bars. He wants to split them among 8 friends. If each person gets the same amount, how much of a candy bar will each friend get?



THIRD SPACE LEARNING

Name:

Standard**5.NF.4a**

Focus: Multiply a fraction or whole number by a fraction

Directions: Calculate each multiplication.

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

b. $\frac{3}{4} \times 12$

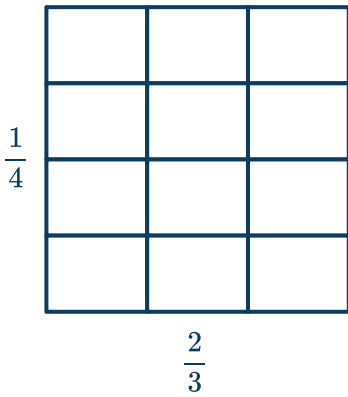


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Name:

Directions: Shade each fraction on the area model, then use the model to calculate the multiplication.



$$\frac{1}{4} \times \frac{2}{3} =$$

Standard

5.NF.4b

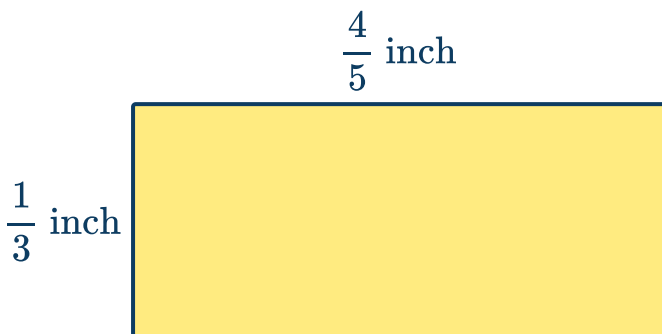
Focus: Find the area of a rectangle with fractional side lengths by tiling it with unit squares



THIRD SPACE LEARNING

Name:

Question: Find the area of the rectangle.



Standard

5.NF.4b

Focus: Multiply fractional side lengths to find areas of rectangles



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Name:

Directions: Decide which number is greater without multiplying. Write < or > in each circle.

Standard

5.NF.5

Focus: Interpret multiplication as scaling

a. $\frac{1}{4} \bigcirc \frac{1}{4} \times \frac{2}{3}$

b. $\frac{8}{9} \times \frac{1}{10} \bigcirc \frac{8}{9}$

c. $\frac{11}{12} \bigcirc \frac{11}{12} \times \frac{9}{8}$

d. $8 \bigcirc 8 \times \frac{4}{5}$



THIRD SPACE LEARNING

Name:

Question: Minka cut a string that was $\frac{5}{6}$ of a foot long. She cut a second string that was $4\frac{1}{2}$ times as long. How long was the second string?

Standard

5.NF.6

Focus: Solve real world problems involving multiplication of fractions and mixed numbers



THIRD SPACE LEARNING

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Name:

Directions: Draw a model to represent each equation, then use the model to calculate each division.

Standard

5.NF.7a, 5.NF.7b

Focus: Divide unit fractions by whole numbers and whole numbers by unit fractions

a. $\frac{1}{3} \div 6$

b. $4 \div \frac{1}{5}$



THIRD SPACE LEARNING

Name:

Directions: Solve each word problem.

Standard

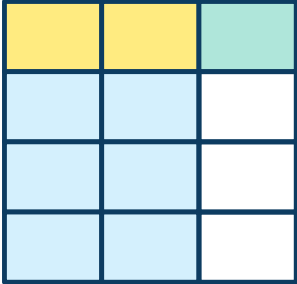
5.NF.7c

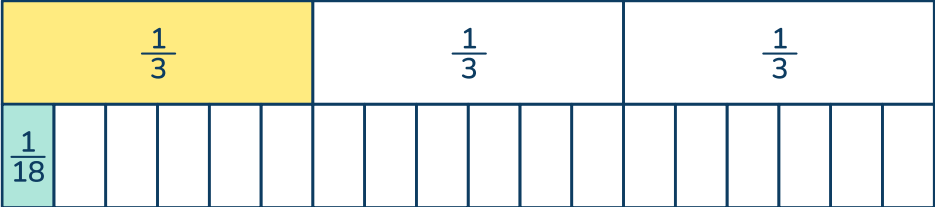
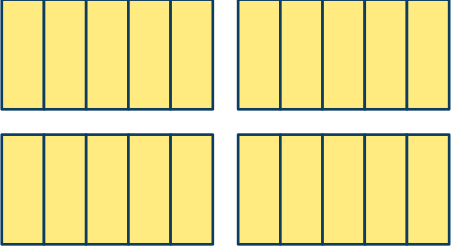
Focus: Solve real world problems involving division of unit fractions whole numbers and division of whole numbers by unit fractions

- Alana has a jug containing $\frac{1}{3}$ gallon of water. She pours the water equally into 4 dog bowls. How much water goes into each dog bowl?
- A walking trail is 8 miles long. There is a bench to rest at every $\frac{1}{2}$ of a mile. How many benches are on the walking trail?






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Standard	Answer(s)
5.NF.1 (Adding fractions)	a. $\frac{7}{8}$ b. $7\frac{11}{12}$
5.NF.1 (Subtracting fractions)	a. $\frac{2}{6}$ or $\frac{1}{3}$ b. $5\frac{1}{15}$
5.NF.2	a. Gabriel has read $\frac{14}{15}$ of the book so far. b. Rosa needs $\frac{1}{4}$ cup of sugar.
5.NF.3 (Equations)	a. $\frac{3}{5}$ b. $\frac{1}{4}$ c. $\frac{2}{9}$ d. $\frac{6}{5}$ or $1\frac{1}{5}$
5.NF.3 (Word problems)	Each person will get $\frac{3}{8}$ of a candy bar.
5.NF.4a	a. $\frac{6}{15}$ or $\frac{2}{5}$ b. 9
5.NF.4b	 $\frac{1}{4} \times \frac{2}{3} = \frac{2}{12}$
5.NF.4b	$\frac{4}{15} \text{ in}^2$

Standard	Answer(s)
5.NF.5	a. > b. < c. < d. >
5.NF.6	The second string was $3\frac{3}{4}$ feet long.
5.NF.7a, 5.NF.7b	<p>a.</p>  $\frac{1}{3} \div 6 = \frac{1}{18}$ <p>b.</p>  $4 \div \frac{1}{5} = 20$
5.NF.7c	<p>a. $\frac{1}{12}$ of a gallon goes into each water bowl.</p> <p>b. There are 16 benches on the walking trail.</p> <p>Note: If the student has written 17 benches, this may mean that they have included an extra bench at the beginning of the trail.</p>

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Michelle Craig, Instructional Coach,
Sherwood Forest Elementary, Washington

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-  thirdspacelearning.com/us/
-  +1 929-298-4593
-  hello@thirdspacelearning.com



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