

Multiplying Fractions

Unit Review (page 1 of 2)

1. Write a division. Then solve.

12 friends share 5 pizzas equally. How much pizza does each friend get?

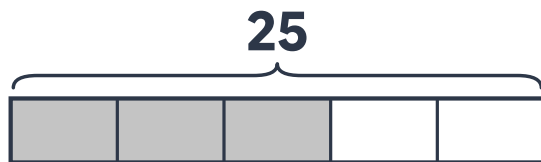
$$\square \div \square = \square \text{ of a pizza}$$

2. Write the missing numbers.

$$\frac{9}{10} = \square \div 10$$

$$4\frac{1}{3} = \square \div 3$$

3. Use the tape to multiply.



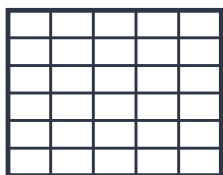
$$\frac{3}{5} \times 25 = \square$$

4. Multiply. Answer in simplest form.

$$40 \times \frac{3}{10} = \square$$

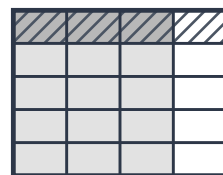
$$11 \times \frac{2}{3} = \square$$

5. Shade the model for the product.
Write it in simplest form.



$$\frac{3}{5} \times \frac{5}{6} = \frac{\square}{\square}$$

6. Write the equation the model shows.



$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square}$$

7. Multiply. Write each product in simplest form.

$$\frac{5}{12} \times \frac{9}{10} = \frac{\square}{\square}$$

$$\frac{3}{10} \times \frac{5}{8} = \frac{\square}{\square}$$

$$\frac{4}{5} \times \frac{5}{12} = \frac{\square}{\square}$$

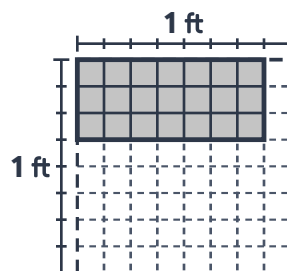
Multiplying Fractions

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8. Write the missing number.

$$\frac{7}{10} \times \frac{\boxed{}}{3} = \frac{14}{30}$$

9. Find the area of the gray part.



Area:
 $\frac{\boxed{}}{\boxed{}} \text{ sq ft}$

10. Multiply. Answer in simplest form.

$$3 \times 1\frac{5}{6} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

$$2\frac{1}{2} \times 1\frac{4}{5} = \boxed{} \frac{\boxed{}}{\boxed{}}$$

11. Find the area in simplest form.



Area:
 $\boxed{} \frac{\boxed{}}{\boxed{}} \text{ sq yd}$

12. Do not multiply. Circle each product that is greater than 10.

$$10 \times \frac{2}{3}$$

$$10 \times 1\frac{1}{5}$$

$$10 \times \frac{7}{6}$$

$$10 \times \frac{5}{8}$$

13. Solve. Answer in simplest form.

Of a farm's land, $\frac{5}{6}$ is fields. Corn grows on $\frac{7}{10}$ of the fields. What part of the land grows corn?

Answer: $\boxed{}$ of the land

14. Solve. Answer in simplest form.

Sam walks $1\frac{3}{5}$ miles each day. How far does he walk in 4 days?

Answer: $\boxed{}$ miles

Multiplying Fractions

Unit Review (page 1 of 2)

1. Write a division. Then solve.

12 friends share 5 pizzas equally. How much pizza does each friend get?

$$5 \div 12 = \frac{5}{12} \text{ of a pizza}$$

Lesson 8.1 · A fraction is a division

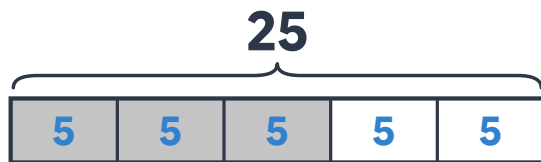
2. Write the missing numbers.

$$\frac{9}{10} = 9 \div 10$$

$$4\frac{1}{3} = 13 \div 3$$

Lesson 8.1 · A fraction is a division

3. Use the tape to multiply.



$$\frac{3}{5} \times 25 = 15$$

Lesson 8.2 · A fraction of a whole number

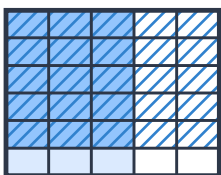
4. Multiply. Answer in simplest form.

$$40 \times \frac{3}{10} = 12$$

$$11 \times \frac{2}{3} = 7\frac{1}{3} \text{ or } \frac{22}{3}$$

Lesson 8.2 · A fraction of a whole number

5. Shade the model for the product.
Write it in simplest form.

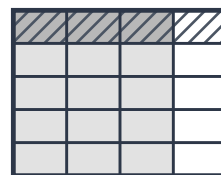


$$\frac{3}{5} \times \frac{5}{6} = \frac{1}{2}$$

One way to shade

Lesson 8.3 · A fraction of a fraction

6. Write the equation the model shows.



$$\frac{3}{4} \times \frac{1}{5} = \frac{3}{20}$$

Either order

Lesson 8.3 · A fraction of a fraction

7. Multiply. Write each product in simplest form.

$$\frac{5}{12} \times \frac{9}{10} = \frac{3}{8}$$

$$\frac{3}{10} \times \frac{5}{8} = \frac{3}{16}$$

$$\frac{4}{5} \times \frac{5}{12} = \frac{1}{3}$$

Lesson 8.4 · Multiply fractions

Multiplying Fractions

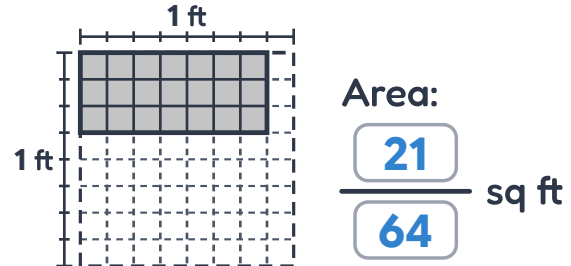
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8. Write the missing number.

$$\frac{7}{10} \times \frac{2}{3} = \frac{14}{30}$$

Lesson 8.4 · Multiply fractions

9. Find the area of the gray part.



Lesson 8.5 · Area with fraction sides

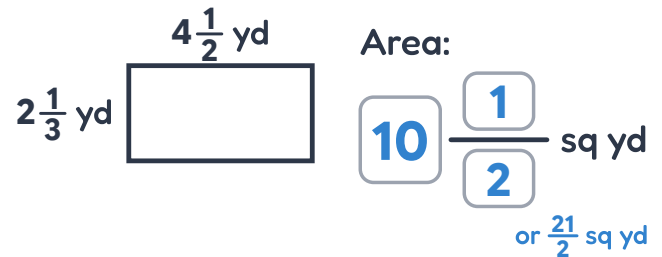
10. Multiply. Answer in simplest form.

$$3 \times 1\frac{5}{6} = 5\frac{1}{2} \text{ or } \frac{11}{2}$$

$$2\frac{1}{2} \times 1\frac{4}{5} = 4\frac{1}{2} \text{ or } \frac{9}{2}$$

Lesson 8.6 · Multiply mixed numbers

11. Find the area in simplest form.



Lesson 8.6 · Multiply mixed numbers

12. Do not multiply. Circle each product that is greater than 10.

$$10 \times \frac{2}{3}$$

$$10 \times 1\frac{1}{5}$$

$$10 \times \frac{7}{6}$$

$$10 \times \frac{5}{8}$$

Lesson 8.7 · Multiplying as scaling

13. Solve. Answer in simplest form.

Of a farm's land, $\frac{5}{6}$ is fields. Corn grows on $\frac{7}{10}$ of the fields. What part of the land grows corn?

Answer: $\frac{7}{12}$ of the land

Lesson 8.8 · Fraction multiplication stories

14. Solve. Answer in simplest form.

Sam walks $1\frac{3}{5}$ miles each day. How far does he walk in 4 days?

Answer: $6\frac{2}{5}$ miles or $\frac{32}{5}$

Lesson 8.8 · Fraction multiplication stories