

4b. Complete the subtraction related to the image.



Give your answer in its simplest form.



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Give your answer in its simplest form.

$$\frac{2}{3} - \frac{3}{6} = \frac{1}{6}$$



LO: to multiply fractions (by a fraction)

1. Multiply the numerators
2. Multiply the denominators
3. Simplify if possible

**I
do**

$$\frac{2}{6} \times \frac{5}{7} =$$

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

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

$$\frac{2}{5} \times \frac{5}{9} =$$

LO: to multiply fractions (by a fraction)

we
do

9a. Hugh is thinking about multiplying fractions.



Hugh

If the simplified answer to a fraction multiplication is $1\frac{1}{14}$, one of the fractions which was multiplied could have been $\frac{3}{7}$.

Discuss

Is he correct? Explain how you know.

you
do

LO: to multiply fractions (by a fraction)

Complete in books

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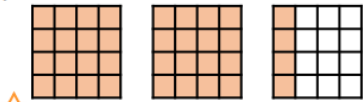
If the simplified answer to a fraction multiplication is $1\frac{1}{14}$, one of the fractions which was multiplied could have been $\frac{3}{7}$.

Is he correct? Explain how you know.

8a. Titus is trying to find pairs of fractions which multiply together to make the answer below.

$$\frac{?}{?} \times \frac{?}{?} = 2\frac{4}{16}$$

He finds 3 pairs so far. What could his pairs be?



L.O: to multiply fractions (by a fraction)

we
do

Pink highlighter at the ready....here is the answer!

8a. Various answers, for example:

$$\frac{1}{2} \times \frac{36}{8}; \frac{3}{2} \times \frac{12}{8}; \frac{3}{4} \times \frac{12}{4}$$

9a. Hugh is correct: 15 is a multiple of 3

and 14 is a multiple of 7; $\frac{15}{14} = 1\frac{1}{14}$

7a. Look at the calculation below.

$$\frac{10}{8} \times \frac{9}{7} = 1\frac{34}{56}$$

Is it correct? Explain how you know.

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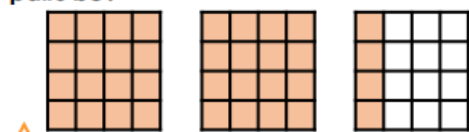
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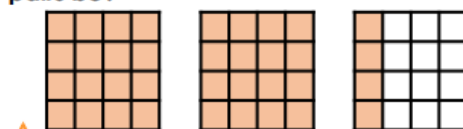
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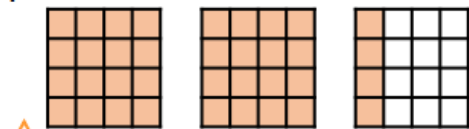
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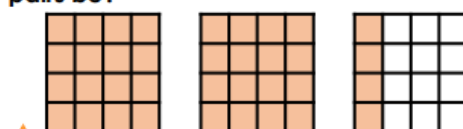
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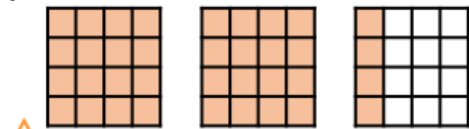
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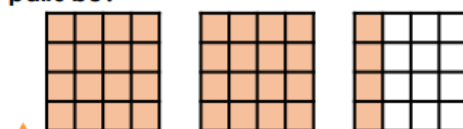
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Deepening Understanding

YR 6 Multiplying Fractions

Investigate it!



Two fractions have been multiplied and the answer is shown. Can you find **all** the possible ways of making the given answers to the calculations?

$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{4}{18}$$

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Directions: Use the digits 1 to 9, at most one time each, to fill in the boxes so that the three fractions have a product as close to 1 as possible.

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