

4a. Complete the addition related to the image.



Give your answer in its simplest form.

$$\frac{3}{8} + \frac{1 \times 2}{4 \times 2} = \frac{\quad}{\quad}$$

$$\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$$



4a. Complete the addition related to the image.



Give your answer in its simplest form.

$$\frac{3}{8} + \frac{1}{4} = \frac{5}{8}$$



LO: to multiply fractions (by a fraction)

I
do

The three steps of
multiplying fractions

Solve: $\frac{2}{6} \times \frac{9}{16}$

Step 1. Multiply the top numbers:

$$\frac{2}{6} \times \frac{9}{16} = \frac{2 \times 9}{6 \times 16} = \frac{18}{96}$$

Step 2. Multiply the bottom numbers:

$$\frac{2}{6} \times \frac{9}{16} = \frac{2 \times 9}{6 \times 16} = \frac{18}{96}$$

Step 3. Simplify the fraction:

$$\frac{18}{96} = \frac{6}{32} = \frac{3}{16}$$

Divided by 3 Divided by 2



$$\frac{6}{9} \times \frac{3}{5} = \frac{18}{45} \div 9$$

$$\frac{2}{5}$$

we
do

$$\frac{2}{6} \times \frac{4}{5} = \frac{8 \div 2}{30 \div 2} = \frac{4}{15}$$

$$\frac{3}{7} \times \frac{9}{11} =$$

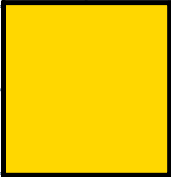
LO: to multiply fractions (by a fraction)

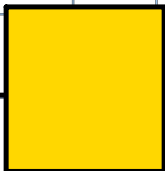
1. Multiply the numerators
2. Multiply the denominators
3. Simplify if possible

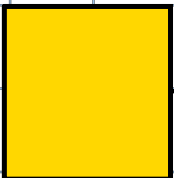
you
do

Complete in books

1) $\frac{3}{6} \times \frac{5}{9} = \frac{5}{18}$

3) $\frac{2}{8} \times \frac{7}{8} =$ 

2) $\frac{4}{7} \times \frac{2}{3} =$ 

4) $\frac{5}{12} \times \frac{8}{9} =$ 

we
do

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

$$\frac{3}{6} \times \frac{5}{9} = \boxed{}$$

$$\frac{2}{8} \times \frac{7}{8} = \boxed{}$$

$$\frac{4}{7} \times \frac{2}{3} = \boxed{}$$

$$\frac{5}{12} \times \frac{8}{9} = \boxed{}$$

we
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Complete in books

7a. Look at the calculation below.

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

$$\frac{10}{8} \times \frac{9}{7} = \frac{90}{56}$$

Is it correct? Explain how you know.

$$1\frac{34}{56}$$

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

we
do

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

7a. It is correct because $10 \times 9 = 90$ and 8

$\times 7 = 56$ and $\frac{90}{56} = 1\frac{34}{56}$.

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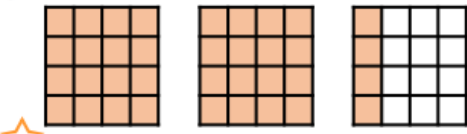
$$\frac{10}{8} \times \frac{9}{7} = 1\frac{34}{56}$$

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

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

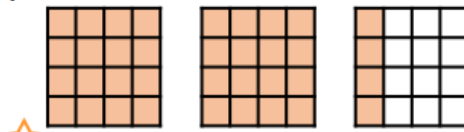
He finds 3 pairs so far. What could his pairs be?



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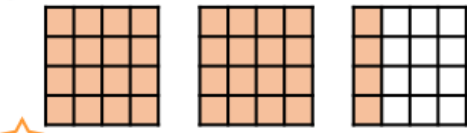
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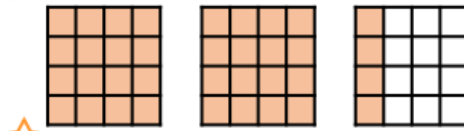
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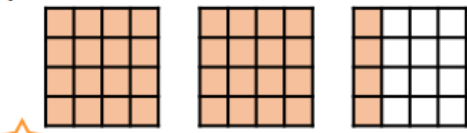
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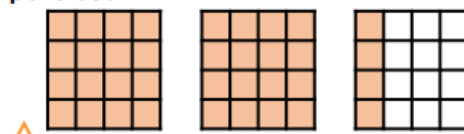
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9a. Hugh is thinking about multiplying fractions.



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.

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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?

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

$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{8}{12}$$

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