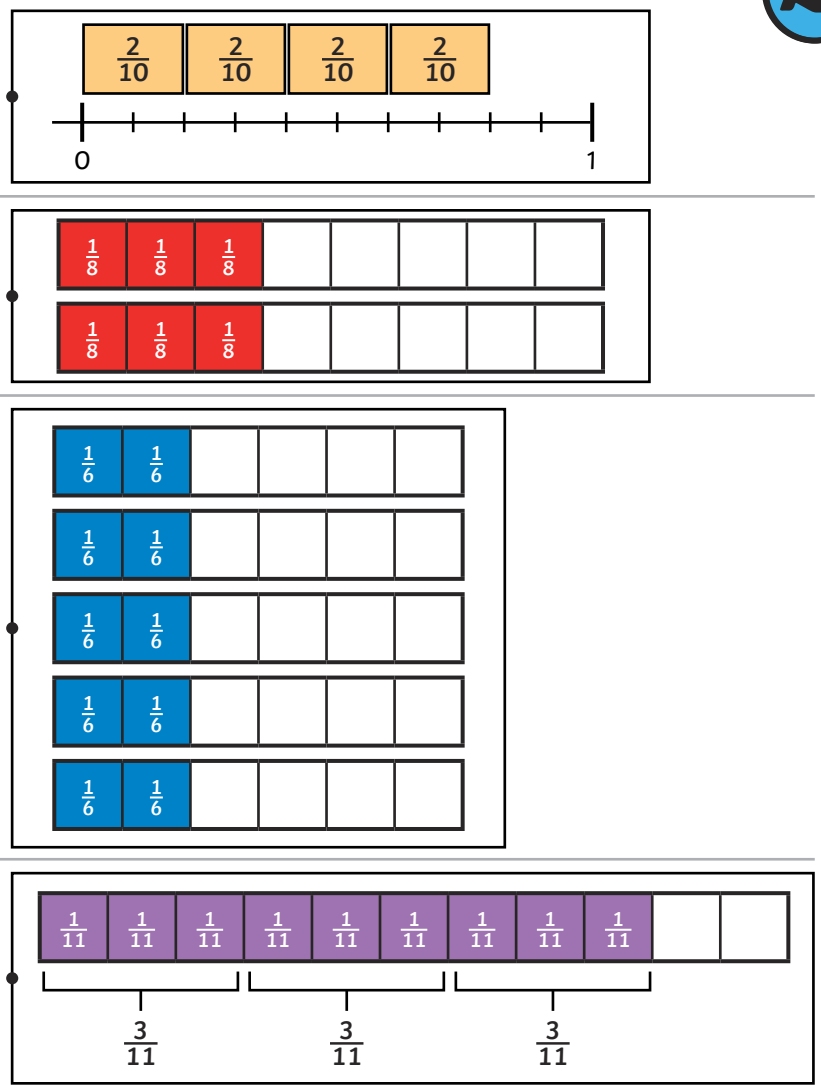
1) Match the calculation to the correct model that represents it and then complete the calculation.

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

$\frac{2}{10} \times 4 =$ _____

$\frac{3}{11} \times 3 =$ _____

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



2) Complete these calculations. You could draw a model similar to the ones above to help.

Simplify your answer where possible.

$\frac{2}{15} \times 7 =$

$6 \times \frac{3}{20} =$

$\frac{4}{12} \times 2 =$

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

1) True or false? Explain your reasoning.

a) $\frac{3}{10} \times 3 = \frac{3}{20} \times 3$

b) $\frac{4}{11} \times 2 < 2 \times \frac{4}{11}$

c) $\frac{2}{15} \times 5 > \frac{2}{30} \times 3$

2) Catherine is having a pizza party with her 2 best friends for her birthday. They make 1 pizza and cut it into 12 slices. Each person eats $\frac{3}{12}$ of a pizza. How many slices of pizza have been eaten and how many slices are left over?

1) Find 3 possible solutions where the product is less than 1.

$\frac{2}{\square} \times \square = \frac{\square}{12}$	$\frac{2}{\square} \times \square = \frac{\square}{12}$
$\frac{2}{\square} \times \square = \frac{\square}{12}$	$\frac{2}{\square} \times \square = \frac{\square}{12}$

Now, find 3 possible solutions where the product is greater than 1 but less than 2.

$\frac{2}{\square} \times \square = 1\frac{\square}{12}$	$\frac{2}{\square} \times \square = 1\frac{\square}{12}$
$\frac{2}{\square} \times \square = 1\frac{\square}{12}$	$\frac{2}{\square} \times \square = 1\frac{\square}{12}$

2) Jessie multiplies a non-unit fraction by an integer.

The fraction has a denominator which is a multiple of 5.

The product is greater than 1 but less than 2.

The integer is a factor of 20.

What could the calculation be? Find 4 possibilities. Remember to simplify the product where possible.