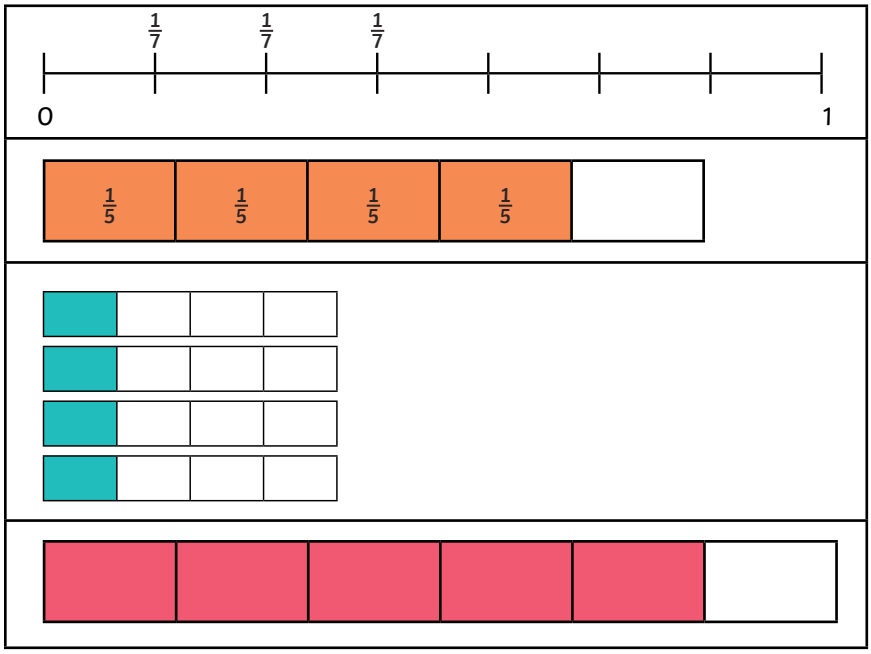
1) **a)** Match the calculation to the correct model that represents it and then complete the calculation.

$5 \times \frac{1}{6} =$
$3 \times \frac{1}{7} =$
$\frac{1}{5} \times 4 =$
$\frac{1}{4} \times 4 =$



b) Complete these calculations. You could draw one of the models similar to the ones used above to help. Simplify your answers where possible.

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

$\frac{1}{6} \times 4 =$ _____

$5 \times \frac{1}{8} =$ _____

$8 \times \frac{1}{7} =$ _____

1) True or false? Prove it!

a) $\frac{1}{4} \times 3 = 3 \times \frac{1}{4}$ _____

b) $\frac{1}{4} \times 5 < \frac{1}{5} \times 4$ _____

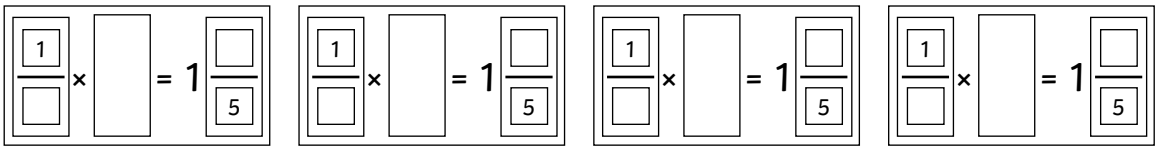
c) $\frac{1}{6} \times 5 = \frac{1}{12} \times 10$ _____

d) $\frac{1}{5} \times 4 < 10 \times \frac{1}{10}$ _____

2) Jenny is having a pizza party for her birthday. She needs $\frac{1}{4}$ of a pack of cheese for each pizza. Jenny is making 7 pizzas. How many packs of cheese will she use?

Answer:

1) Find 4 possible solutions to complete the calculation.



2) Jessie multiplies a unit fraction by an integer.

- The fraction has a denominator which is a factor of 12.
- The product is greater than 1 but less than 2.
- The integer is a factor of 16.

What could the calculation be? There are 3 possibilities.

Can you find a solution when the denominator of the unit fraction is a larger number than the integer you are multiplying the fraction by?