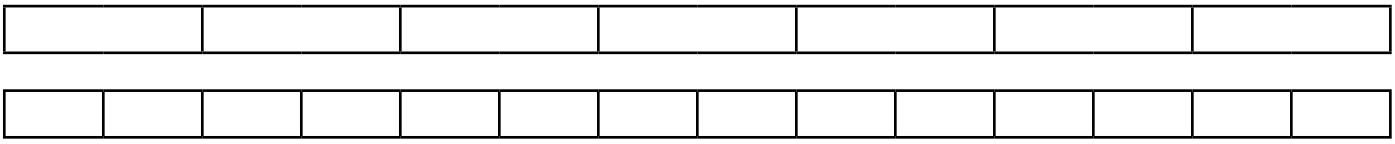
1)

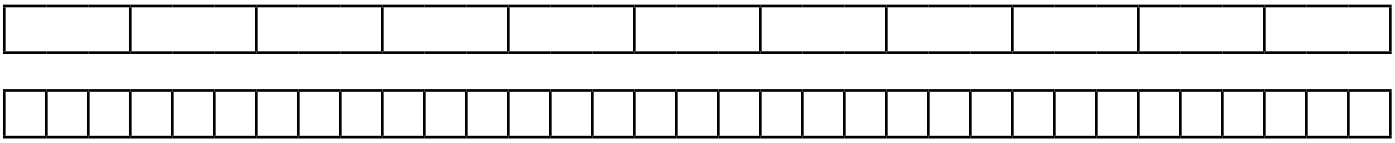
a) Look at the following calculation. Shade the diagrams to show how the calculation has been solved using equivalent fractions.

$$\frac{5}{7} \div 2 = \frac{10}{14} \div 2 = \frac{5}{14}$$

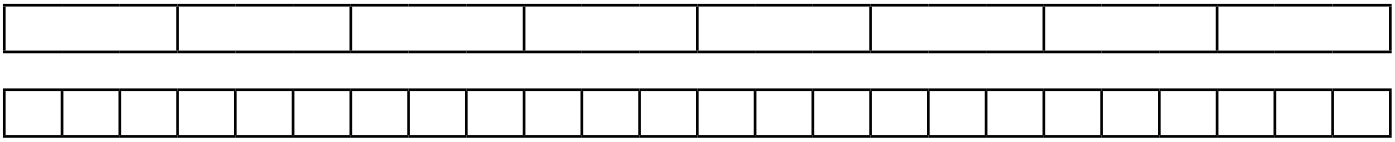


b) Use the diagram in a similar way to solve the following calculation.

$$\frac{7}{11} \div 3 = \square \div 3 = \square$$



2) Daniel uses $\frac{5}{8}$ of a roll of wrapping paper to wrap three equal sized presents. What fraction of the roll of wrapping paper does each present use? Use the fraction bars to help you find the answer.



3) Meera has $\frac{9}{10}$ of a bag of chocolate chips to use to make eight muffins.

Write the calculation Meera can use to find out what fraction of the bag to use in each muffin.

What fraction of the bag of chocolate chips does each muffin contain?

Are there other ways to complete these calculations?

1)

The missing number in all these calculations is 9.

Do you agree with this statement? Prove it and explain your reasoning.

$\frac{8}{\square} \div 3 = \frac{8}{27}$ $\quad \frac{9}{11} \div \square = \frac{9}{88}$ $\quad \frac{\square}{17} \div 2 = \frac{\square}{34}$

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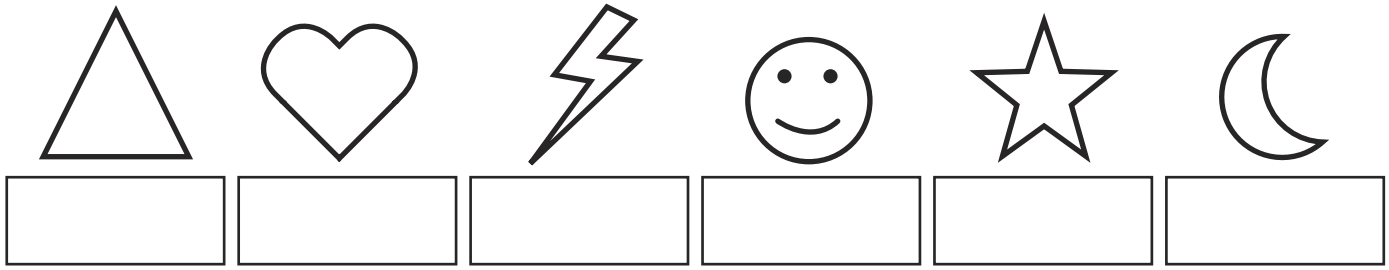
2) Prove if each child has completed their calculation correctly. Show your reasoning.

$\frac{20}{32} \div 6 = \frac{5}{48}$

$\frac{21}{36} \div 4 = \frac{7}{48}$

$\frac{12}{42} \div 5 = \frac{3}{35}$

1) Work out the values of the symbols.



$\frac{\triangle}{42} \div 4 = \frac{5}{28}$ $\quad \frac{54}{63} \div \heartsuit = \frac{3}{28}$ $\quad \frac{4}{10} \div 3 = \frac{2}{\lightning}$

$\frac{\odot}{66} \div \heartsuit = \frac{7}{88}$ $\quad \frac{\triangle}{\star} \div 9 = \frac{5}{54}$ $\quad \frac{\star}{\odot} \div \leftmoon = \frac{2}{21}$