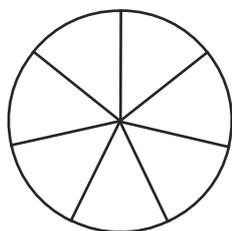


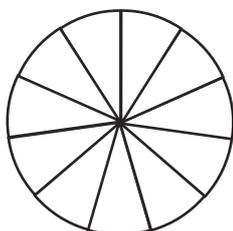


1) Shade the diagrams to help you answer these calculations.

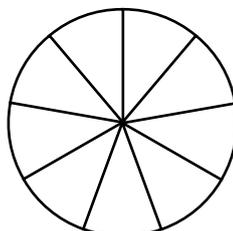
$$\frac{6}{7} \div 2 = \frac{\square}{\square}$$



$$\frac{6}{11} \div 3 = \frac{\square}{\square}$$



$$\frac{8}{9} \div 4 = \frac{\square}{\square}$$



2) Daniel uses  $\frac{10}{13}$  of a roll of wrapping paper to wrap five equal sized presents.

What fraction of the roll of wrapping paper does each present use?

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3) Meera has  $\frac{24}{30}$  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? Simplify the answer if possible.



1)

$$\frac{8}{\boxed{?}} \div 2 = \frac{4}{9} \quad \frac{18}{23} \div \boxed{?} = \frac{2}{23}$$
$$\frac{\boxed{?}}{17} \div 3 = \frac{4}{17}$$

The missing number in all these calculations is 9.



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

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



$$\frac{20}{32} \div 5 = \frac{1}{8}$$

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$$\frac{21}{36} \div 7 = \frac{1}{12}$$

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$$\frac{12}{42} \div 3 = \frac{1}{21}$$

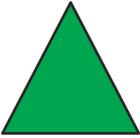
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1) Work out the values of the symbols.



$\frac{\triangle}{48} \div 3 = \frac{3}{16}$	$\frac{54}{63} \div \heartsuit = \frac{1}{7}$	$\frac{24}{44} \div 3 = \frac{2}{\text{lightning bolt}}$
$\frac{\text{smiley face}}{66} \div \heartsuit = \frac{4}{33}$	$\frac{\triangle}{\text{star}} \div 9 = \frac{1}{14}$	$\frac{\text{star}}{\text{smiley face}} \div \heartsuit = \frac{\text{moon}}{\text{smiley face}}$