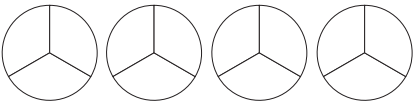
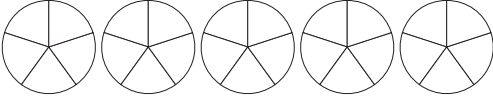



- 1) This diagram represents an integer being multiplied by a fraction.



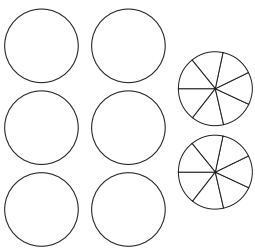
Shade in the diagram to show the correct answer and write it down as a simplified mixed number.

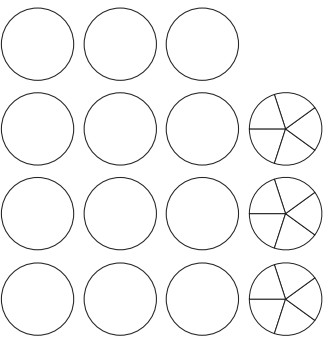
a)  $4 \times \frac{2}{3} =$

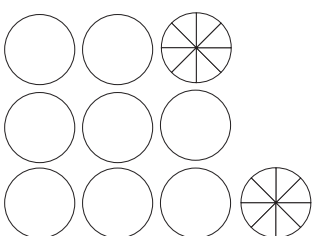
b)  $5 \times \frac{3}{5} =$

c)  $3 \times \frac{5}{8} =$

- 2) This diagram shows the partitioning method of multiplying an integer by a mixed number. Shade in the diagram to show the correct answer and write it down as a simplified mixed number.

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

b)  $3 \times 4 \frac{3}{5} =$

c)  $2 \times 4 \frac{6}{8} =$

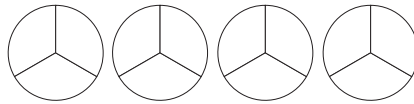
- 3) Solve these calculations by converting the mixed number to an improper fraction then multiplying

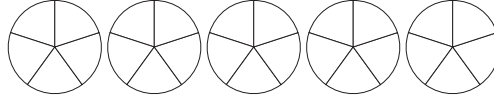
a) $3 \times 2 \frac{3}{7} =$ b) $4 \times 3 \frac{3}{4} =$


- 1) This diagram represents an integer being multiplied by a fraction.



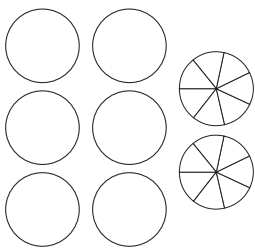
Shade in the diagram to show the correct answer and write it down as a simplified mixed number.

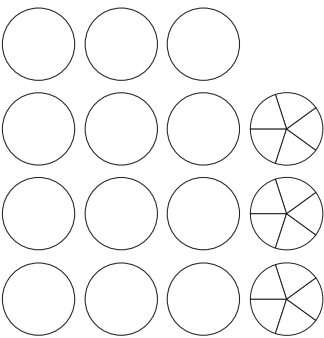
a)  $4 \times \frac{2}{3} =$

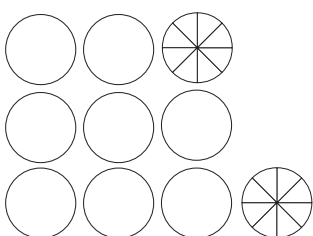
b)  $5 \times \frac{3}{5} =$

c)  $3 \times \frac{5}{8} =$

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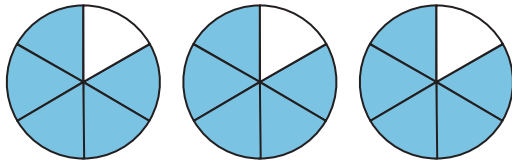
- 3) Solve these calculations by converting the mixed number to an improper fraction then multiplying

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

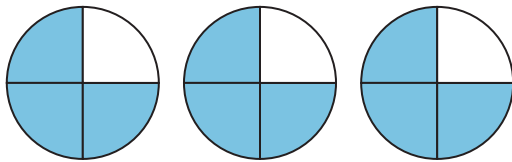
- 1) I am allowed to spend up to one hour watching TV in the evening. On each of Monday, Wednesday and Saturday, I spent 50 minutes out of my allowed hour watching TV.



Which diagram and calculation correctly represents the time I spent watching TV each night? Explain your reasoning.



$$3 \times \frac{5}{6} = \frac{15}{6} \text{ or } 2 \frac{3}{6} \text{ or } 2 \frac{1}{2} \text{ hours}$$



$$3 \times \frac{3}{4} = \frac{9}{4} \text{ or } 2 \frac{1}{4} \text{ hours}$$

- 2) Which calculation is the odd one out and why?

$$5 \times 2 \frac{4}{6} =$$

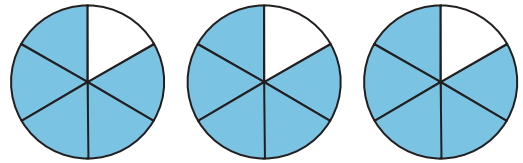
$$5 \times 8 \frac{2}{3} =$$

$$5 \times 4 \frac{4}{5} =$$

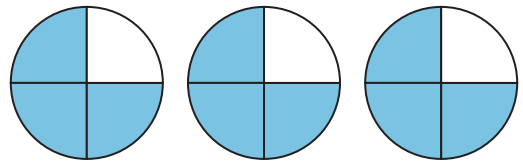
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- 1) The school cook is working out how many potatoes she needs to buy to cook dinner for the school. She estimates that each class will eat $3\frac{4}{7}$ kg of potatoes. She buys $21\frac{3}{7}$ kg of potatoes altogether. How many classes is the school cook buying the potatoes for?



- 2) Using each of the digits 1 to 6 only once investigate completing these multiplication statements.

- a) $? \times ? \frac{?}{?} =$ greatest possible answer. (Don't make an improper fraction within a mixed number.)

- b) $? \times ? \frac{?}{?} =$ mixed number answer with $\frac{1}{2}$ as the fraction

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