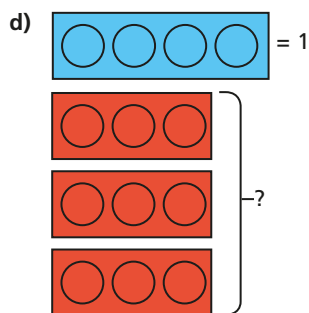
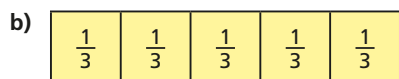
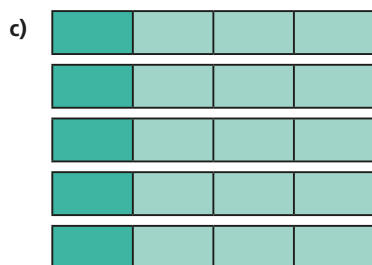
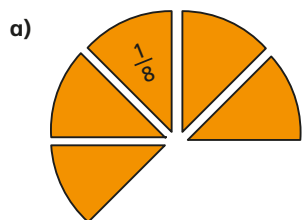


1 What multiplications are represented?



2 Match the multiplications to the corresponding additions.

$$5 \times \frac{1}{2}$$

$$\frac{2}{3} + \frac{2}{3}$$

$$4 \times \frac{1}{3}$$

$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$$

$$\frac{1}{4} \times 3$$

$$\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$$

$$\frac{2}{3} \times 2$$

$$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$$

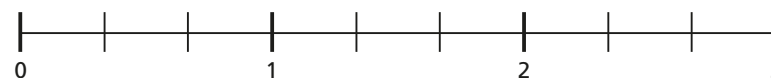
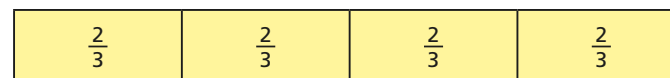
3 Draw a diagram to represent each calculation.

a) $3 \times \frac{1}{5}$

b) $3 \times \frac{2}{5}$

c) $\frac{2}{3} \times 4$

4 This number line represents the calculation $4 \times \frac{2}{3}$



Draw on a number line to represent the calculations.

a) $7 \times \frac{1}{3}$

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

c) $5 \times \frac{3}{4}$

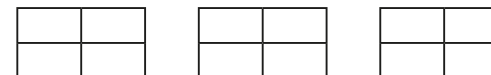
d) $\frac{5}{6} \times 4$

5 Shade the diagrams to represent the multiplications.

a) $5 \times \frac{1}{2}$



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



c) $3 \times \frac{4}{5}$



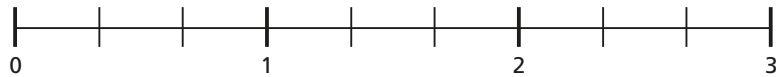
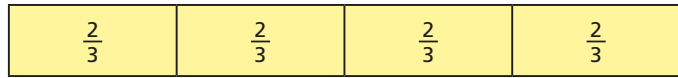
d) $\frac{2}{3} \times 5$



3 Draw a diagram to represent each calculation.

- a) $3 \times \frac{1}{5}$ b) $3 \times \frac{2}{5}$ c) $\frac{2}{3} \times 4$

4 This number line represents the calculation $4 \times \frac{2}{3}$



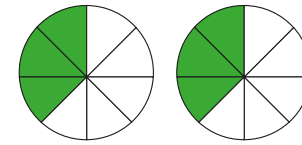
Draw on a number line to represent the calculations.

- a) $7 \times \frac{1}{3}$ b) $3 \times \frac{3}{5}$ c) $5 \times \frac{3}{4}$ d) $\frac{5}{6} \times 4$

5 Shade the diagrams to represent the multiplications.

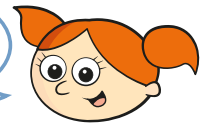
- a) $5 \times \frac{1}{2}$
- b) $4 \times \frac{3}{4}$
- c) $3 \times \frac{4}{5}$
- d) $\frac{2}{3} \times 5$

6



This diagram shows $2 \times \frac{3}{8}$

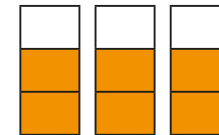
This diagram shows $\frac{5}{8} \times 2$



Explain why Whitney and Alex could both be right.

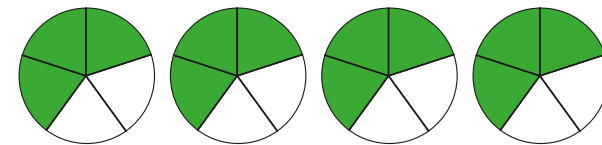
7 Which calculations could the diagrams represent?

a)



- $3 \times \frac{2}{3}$ $\frac{2}{3} + \frac{2}{3} + \frac{2}{3}$ $\frac{1}{2} + \frac{1}{2} + \frac{1}{2}$ $\frac{2}{3} \times 3$ $\frac{1}{3} \times 6$ $6 \times \frac{1}{3}$

b)



- $4 \times \frac{3}{5}$ $\frac{2}{5} + \frac{2}{5} + \frac{2}{5} + \frac{2}{5}$ $\frac{3}{5} + \frac{3}{5} + \frac{3}{5}$ $\frac{3}{5} \times 4$ $\frac{1}{5} \times 12$