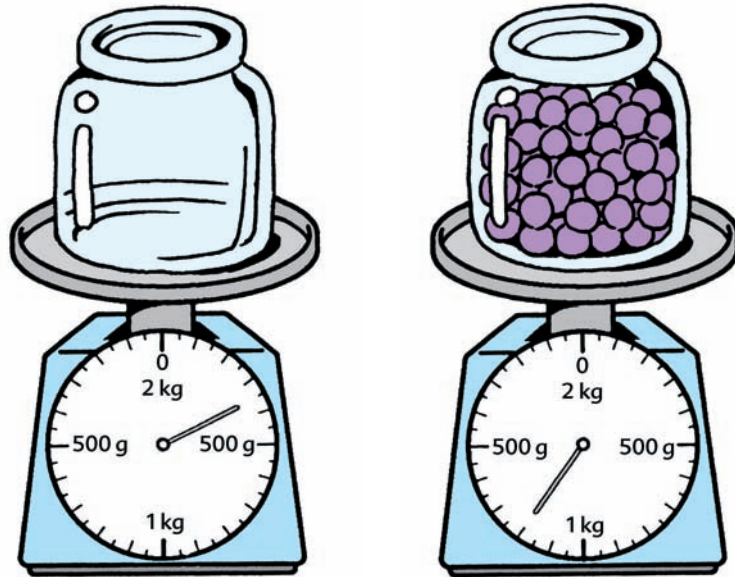
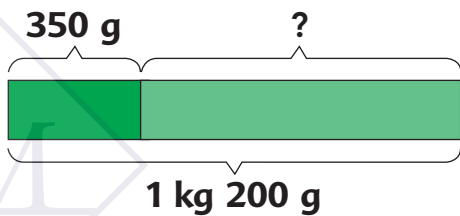


2 Word Problems



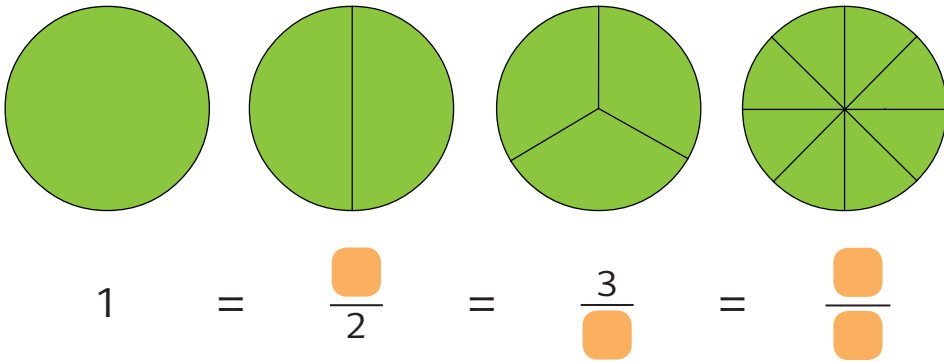
$$\begin{array}{rcccl} \text{Weight of} & & \text{Weight of} & & \text{Total weight of} \\ \text{empty jar} & + & \text{marbles} & = & \text{jar and marbles} \\ (350 \text{ g}) & & (?) & & (1 \text{ kg } 200 \text{ g}) \end{array}$$



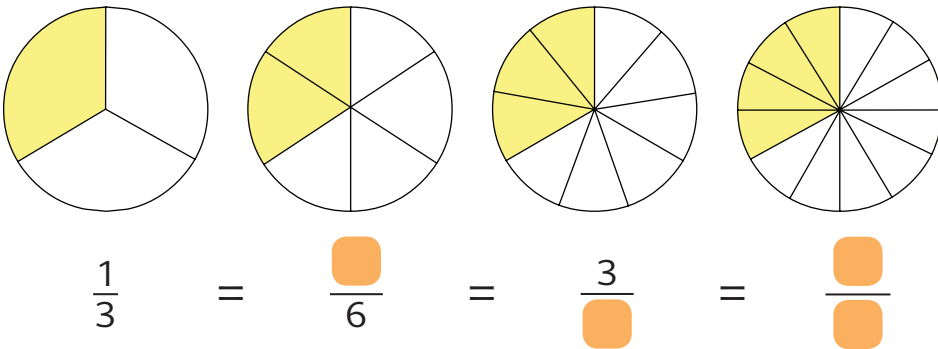
$$\begin{aligned} \text{Weight of marbles} &= 1 \text{ kg } 200 \text{ g} - 350 \text{ g} \\ &= \text{ } \text{ g} \end{aligned}$$

2. What are the missing numerators and denominators?

(a)



(b)



To find an equivalent fraction, multiply the numerator and denominator by the same number.

$$\frac{1}{3} = \frac{\square}{6}$$

$\begin{array}{l} \xrightarrow{\times 2} \\ \xleftarrow{\times 2} \end{array}$

$$\frac{1}{3} = \frac{3}{\square}$$

$\begin{array}{l} \xrightarrow{\times 3} \\ \xleftarrow{\times 3} \end{array}$



3. Find the missing numerator or denominator.

(a) $\frac{1}{4} = \frac{\square}{12}$

(b) $\frac{2}{3} = \frac{\square}{9}$

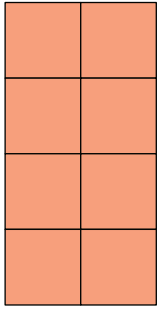
(c) $\frac{1}{5} = \frac{\square}{10}$

(d) $\frac{1}{6} = \frac{3}{\square}$

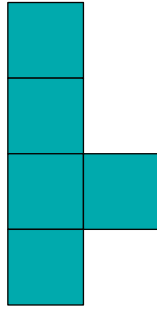
(e) $\frac{3}{5} = \frac{6}{\square}$

(f) $\frac{3}{4} = \frac{6}{\square}$

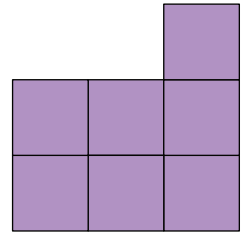
4. These figures are made up of 1-cm squares.



A



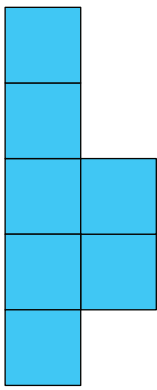
B



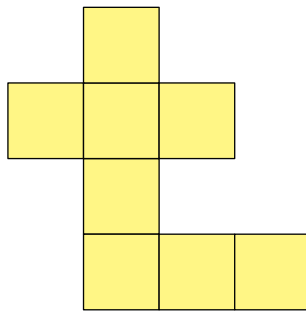
C

- (a) Do they have the same area?
- (b) Do they have the same perimeter?

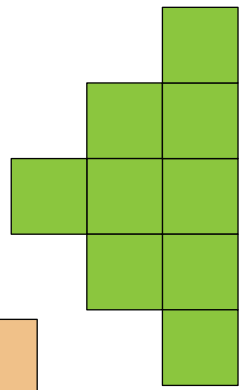
5. These figures are made up of 1-cm squares.



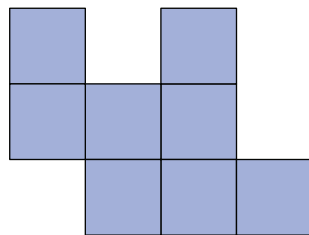
P



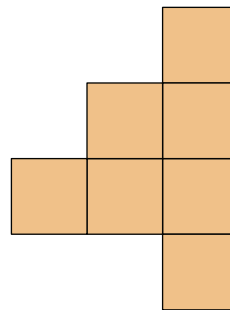
Q



R



S



T

- (a) Which two figures have the same area but different perimeters?
- (b) Which two figures have the same perimeter but different areas?
- (c) Which two figures have the same area and perimeter?