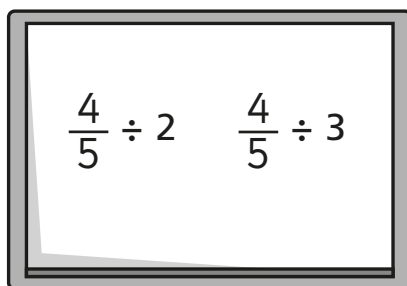


1



- a) Write two things that are the same about the calculations.
- b) Write one thing that is different about the calculations.
- c) Draw a diagram to help you work out the answer to $\frac{4}{5} \div 2$
- d) Draw a diagram to help you work out the answer to $\frac{4}{5} \div 3$



2

Complete the divisions using the diagrams to help you.

a) $\frac{1}{3} \div 2$

b) $\frac{1}{3} \div 3$

c) $\frac{2}{3} \div 3$

3

$\frac{3}{4}$ of a kilogram of rice is divided equally between two bowls.



How much rice is in each bowl?

4

Work out the divisions.

- a) $\frac{1}{5} \div 7$
- b) $\frac{1}{6} \div 3$
- c) $\frac{1}{4} \div 9$
- d) $\frac{1}{7} \div 6$
- e) $\frac{4}{9} \div 7$
- f) $\frac{5}{6} \div 12$
- g) $\frac{8}{3} \div 7$
- h) $\frac{19}{20} \div 5$
- i) $\frac{1}{100} \div 25$
- j) $\frac{45}{50} \div 20$

5

Write $<$, $>$ or $=$ to complete each statement.

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

b) $\frac{1}{3} \div 3$ $\frac{1}{5} \div 5$

c) $\frac{3}{5} \div 5$ $\frac{3}{5} \div 3$

- 3 $\frac{3}{4}$ of a kilogram of rice is divided equally between two bowls.



How much rice is in each bowl?

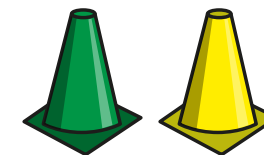
- 4 Work out the divisions.

- a) $\frac{1}{5} \div 7$ d) $\frac{1}{7} \div 6$ g) $\frac{8}{3} \div 7$ j) $\frac{45}{50} \div 20$
 b) $\frac{1}{6} \div 3$ e) $\frac{4}{9} \div 7$ h) $\frac{19}{20} \div 5$
 c) $\frac{1}{4} \div 9$ f) $\frac{5}{6} \div 12$ i) $\frac{1}{100} \div 25$

- 5 Write $<$, $>$ or $=$ to complete each statement.

- a) $\frac{1}{3} \div 5$ $\frac{1}{5} \div 3$
 b) $\frac{1}{3} \div 3$ $\frac{1}{5} \div 5$
 c) $\frac{3}{5} \div 5$ $\frac{3}{5} \div 3$

- 6 There are some cones in the PE shed.
Classes 1, 2 and 3 share them equally.



- Class 1 put theirs into 4 equal piles.
- Class 2 put theirs into 5 equal piles.
- Class 3 put theirs into 11 equal piles.

What fraction of the whole number of cones is in each pile?

- 7 a) Which of these statements are true?

$$\frac{1}{2} \div 2 \text{ is equal to } \frac{1}{2} \times \frac{1}{2}$$

$$\frac{1}{2} \div 4 = \frac{1}{2} \times \frac{1}{4}$$

$$\frac{1}{2} \div 3 = \frac{1}{2} \times \frac{1}{3}$$

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

- b) What do you notice?

Is it only true for halves?

Does it work for non-unit fractions?

Talk to a partner.