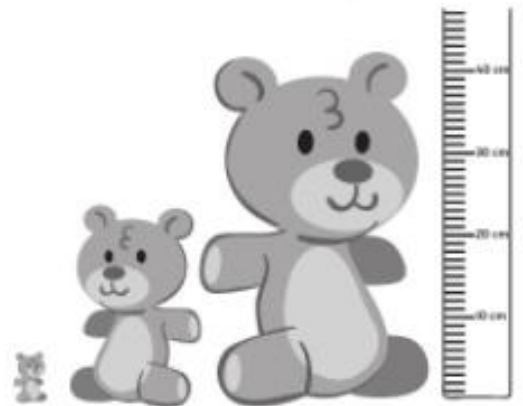


Calculating fractions of a quantity

- 1 Emily has three different-sized teddy bears – a small teddy bear, a medium teddy bear and a large teddy bear.

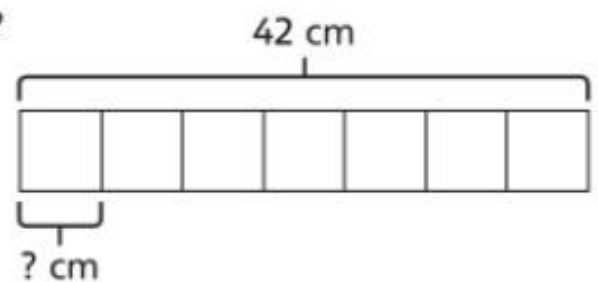
The large teddy bear is 42 cm tall.



- a) The small teddy bear is $\frac{1}{7}$ the height of the large teddy bear.

How tall is the small teddy bear?

$$\square \div \square = \square$$



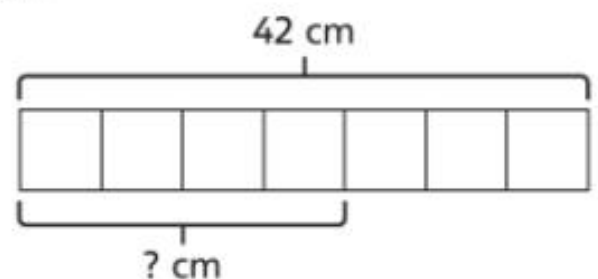
The small teddy bear is cm tall.

- b) The medium teddy bear is $\frac{4}{7}$ the height of the large teddy bear.

How tall is the medium teddy bear?

$$\square \div \square = \square$$

$$\square \times \square = \square$$



The medium teddy bear is cm tall.

2 Complete each question.

a) $\frac{1}{3}$ of 30 m = m

b) $\frac{2}{3}$ of 27 kg = kg

c) $\frac{5}{6}$ of £18 = £



3 Is this statement true or false?

$$\frac{3}{8} \text{ of } 24 = \frac{1}{4} \text{ of } 36$$

Show your working out and circle your answer.



4 Match each calculation to the correct answer.

$\frac{2}{3}$ of 18

15

$\frac{1}{4}$ of 18

7

$\frac{5}{6}$ of 18

2

$\frac{7}{18}$ of 18

12

5 Complete the following calculations. 

a) $\frac{1}{3}$ of = 2

c) $\frac{1}{\text{input}}$ of 70 kg = 10 kg

b) $\frac{1}{5}$ of = 8

d) $\frac{\text{input}}{\text{input}}$ of 42 = 35

6 Chloe got $\frac{5}{7}$ of her test correct.

Mike got $\frac{3}{8}$ of the same test incorrect.

The test was out of 56 marks.

Who got more marks and by how many?



CHALLENGE

Reflect

Write a question that could go with this diagram.

