

Finding Part of a Quantity

LO: To be able to recognise, name and find a fraction of a quantity.

In Focus

How can we cut a 12-cm piece of coloured paper into halves?

Think of the following questions:

- How can we find half of 12?
- How can we find $\frac{1}{3}$ of 12?
- How can we find $\frac{1}{4}$ of 12?

Let's Learn

1 $\frac{1}{2}$ of 12 cm

12 cm

6 cm + 6 cm = 12 cm

$\frac{1}{2}$ of 12 cm = 6 cm

2 $\frac{1}{3}$ of 12 cm

12 cm

4 cm + 4 cm + 4 cm = 12 cm

$\frac{1}{3}$ of 12 cm = 4 cm

3 $\frac{1}{4}$ of 12 cm

12 cm

$\frac{1}{4}$ of 12 cm = ? cm

? cm + ? cm + ? cm + ? cm = 12 cm

Guided Practice

1

9 cm

$\frac{1}{3}$ of 9 cm = ? cm

2

8 cm

(a) $\frac{1}{2}$ of 8 cm = ? cm

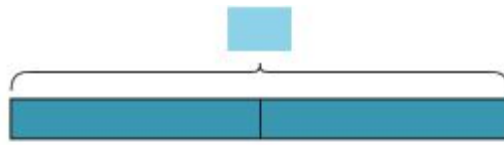
(b) $\frac{1}{4}$ of 8 cm = ? cm

1. Each piece will be cm long.

2.a. Each piece will becm long.

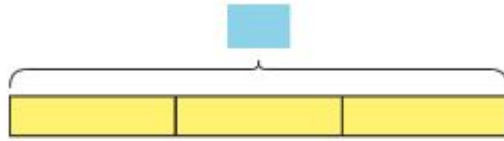
b. Each piece will becm long.

3 (a) $\frac{1}{2}$ of 10 cm = cm



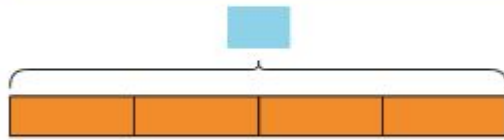
3a. Each piece will becm long.

(b) $\frac{1}{3}$ of 15 cm = cm



3b. Each piece will becm long.

(c) $\frac{1}{4}$ of 20 cm = cm



3c. Each piece will becm long.



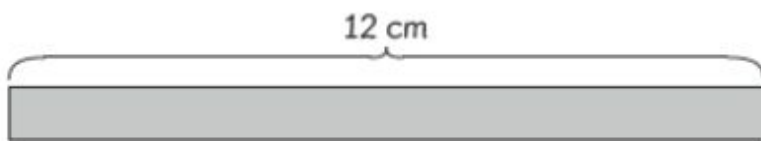
$\frac{3}{4}$ of 20 cm = cm

Speak bubble: Each piece will becm long.

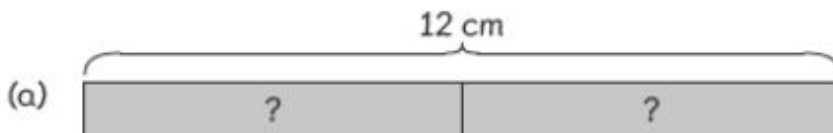
Worksheet 16

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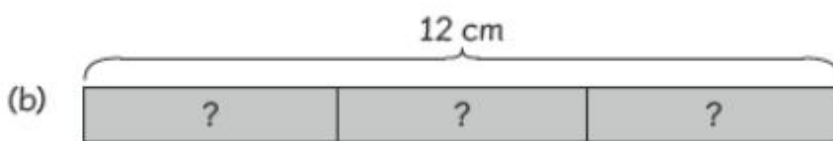
- 1 Sam has a 12 cm string. What is the length of each string if he cuts the string into 2 equal parts, 3 equal parts or 4 equal parts?



Half of 12 cm will be cm long.

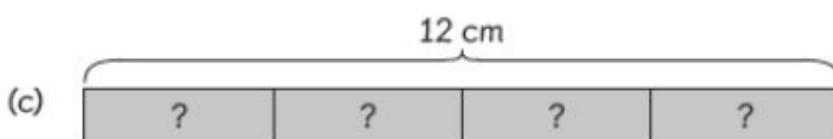


$\frac{1}{2}$ of 12 cm = cm



A third ($\frac{1}{3}$) of 12 cm will be cm long.

$\frac{1}{3}$ of 12 cm = cm



A quarter ($\frac{1}{4}$) of 12 cm will be cm long.

$\frac{1}{4}$ of 12 cm = cm

2 Fill in the blanks.

(a) $\frac{1}{2}$ of 16 cm = cm

Half of 16 cm iscm long.

(b) $\frac{1}{2}$ of 30 cm = cm

Half of 30 cm iscm long.

(c) $\frac{1}{3}$ of 15 cm = cm

A third of 15 cm iscm long.

(d) $\frac{1}{3}$ of 33 cm = cm

A third of 33 cm is cm long.

(e) $\frac{2}{3}$ of 18 cm = cm

Two thirds of 18 cm is cm long.

(f) $\frac{1}{4}$ of 28 cm = cm

A quarter of 28 cm iscm long.

(g) $\frac{1}{4}$ of 48 cm = cm

A quarter of 48 cm iscm long.

(h) $\frac{2}{4}$ of 20 cm = cm

Two quarters of 20 cm iscm long.

(i) $\frac{3}{4}$ of 12 cm = cm

Three quarters of 12 cm is cm long.