

Look Back

p.171



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

half of 20 \longrightarrow 20 divided into 2 equal groups

$$\text{half of } 20 = 20 \div 2 = 10$$

p.171



half of
the half
is a
quarter

Thinking Cap



If there are four groups of children, each group gets a quarter of the balls. How can you find a quarter of 20?



$\frac{1}{4}$ of 20

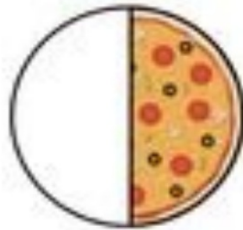
Split the 20 balls into 4 equal groups. $20 \div 4 = 5$

One quarter of 20 is 5.

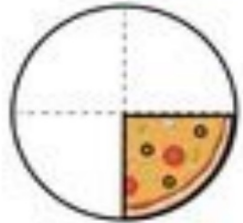
half of
the half
is a
quarter



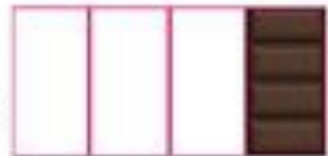
1 WHOLE



1 HALF



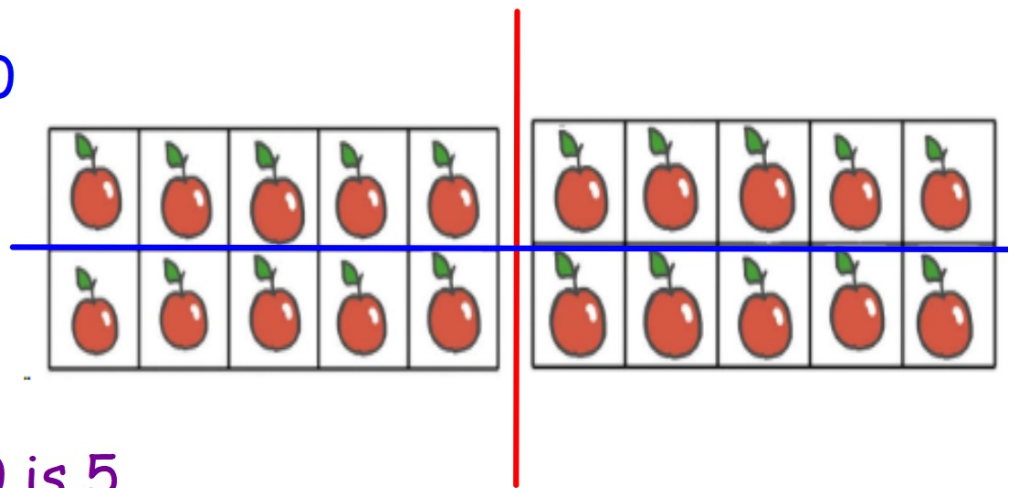
1 QUARTER



Half of 20 is 10

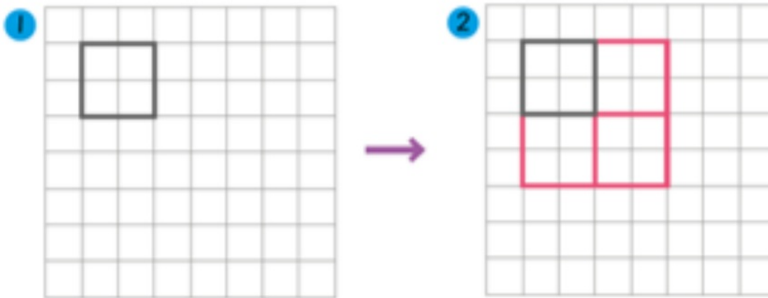
Half of 10 is 5

so we can say
a quarter of 20 is 5



Let's Learn

The grid shows $\frac{1}{4}$ of a shape. What can the shape be?



Draw more squares to make 4 equal parts.

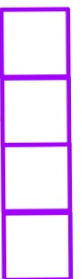
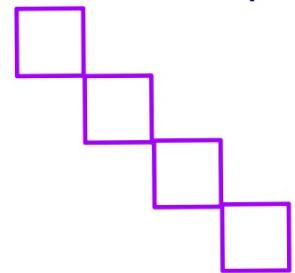
$\frac{1}{4}$ means 1 out of 4 equal parts.

The shape can be a

What other shapes can it be?



The shape can be a rectangle with 4 squares identical to the black square arranged in a row.



Leo puts some building blocks together.

He removes $\frac{1}{4}$ of the blocks.

The remaining blocks are shown on the right.

Circle the blocks removed.



c Meilin has 4 pots.



She puts $\frac{1}{4}$ of 20 flowers in each pot.

Divide the flowers
into 4 equal groups.



There are 5 flowers in each pot.

20 divided equally into 4 pots = $20 \div 4 = 5$

p.173

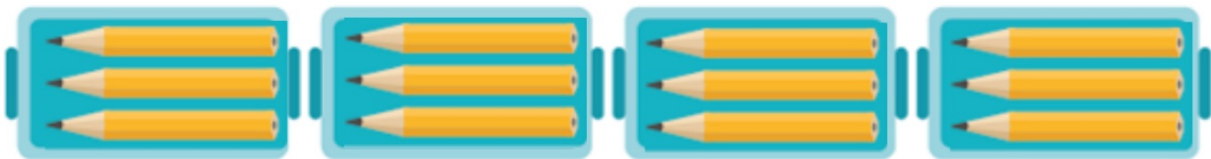
The picture shows $\frac{1}{4}$ of pencils that Yixin has.

How many pencils does she have in total?

$\frac{1}{4}$ means 1 out of 4 equal parts.



this is only
1 group out
of 4 groups
in total



Draw more sets to make 4 equal parts.

She has 12 pencils in total.



Let's Practise

I What is $\frac{1}{4}$ of 12? _____

Draw circles around the triangles to help you.



put 12 equally into 4 groups
 $12 \div 4 = 3$ in each group

Let's Practise

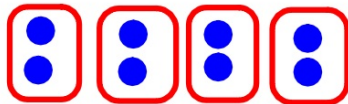
I What is $\frac{1}{4}$ of 12? 3

Draw circles around the triangles to help you.

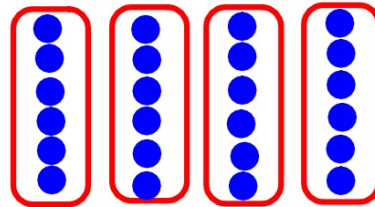


2 Find $\frac{1}{4}$ of:

a 8 2



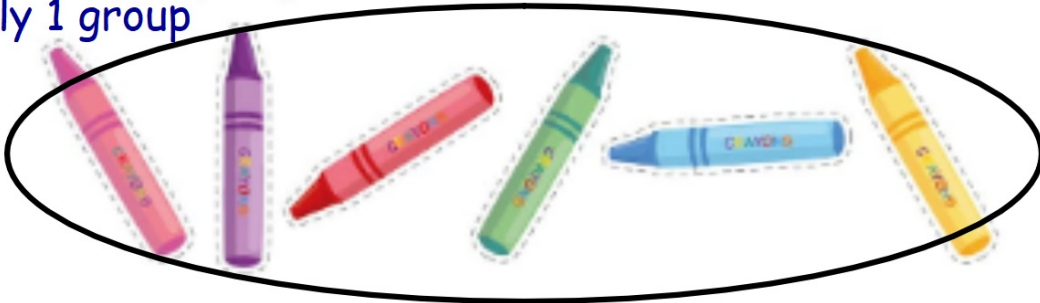
b 24 6



3 The picture shows $\frac{1}{4}$ of Shanti's crayons.

How many crayons does she have in total? 24

this is only 1 group



we need to draw 3 more groups inside them
the same number of crayons

answer →

3 The picture shows $\frac{1}{4}$ of Shanti's crayons.

How many crayons does she have in total? 24





- 4 Hana uses $\frac{1}{4}$ of a pack of buttons.

The picture shows the buttons left in the pack.

How many buttons are in the pack at first?

Hana solves the problem by increasing one button each time to see if the buttons can form 4 groups.

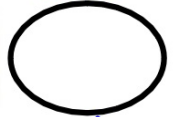
Suggest how she can solve the problem more quickly.

left
12 buttons



$$\frac{3}{4}$$

used



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

put the 12 buttons that remain into 3 equal groups

