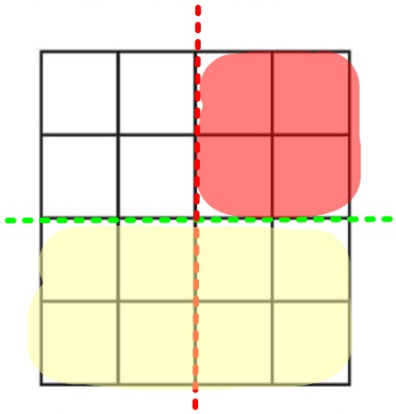
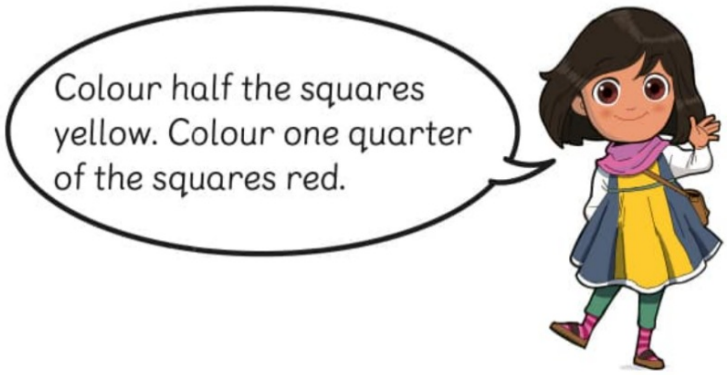
Look Back





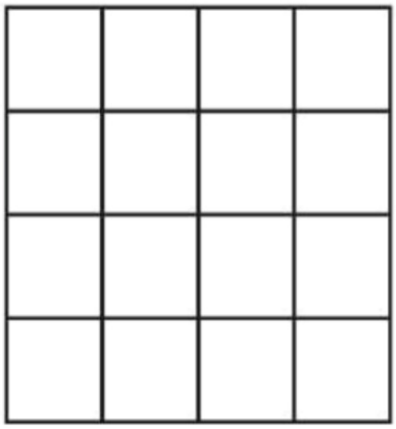
What do you notice about the number of squares in halves and in quarters?

half of 16 = 16 ÷ 2 = 8

quarter of 16 = 16 ÷ 4 = 4

Thinking Cap

Without colouring, how can you find out $\frac{1}{4}$ of the squares above?
Discuss with your partner.



finding half of the shape then half of it again

half of the half is a quarter
half of 16 is 8
half of 8 is 4

Let's Learn

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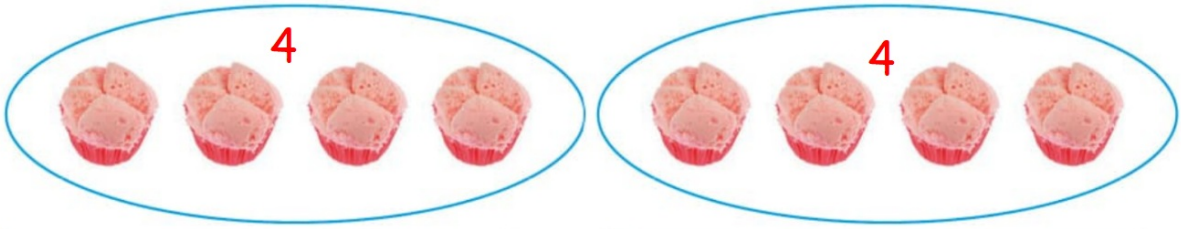
a Rhea has 8 cakes.

She gives $\frac{1}{2}$ of them to her brother.



First way

Divide the cakes into 2 equal groups.

There are 4 cakes in 1 out of the 2 equal groups.

$\frac{1}{2}$ of the cakes is 4 cakes.

Second way

There are 8 cakes.

There are 2 groups.

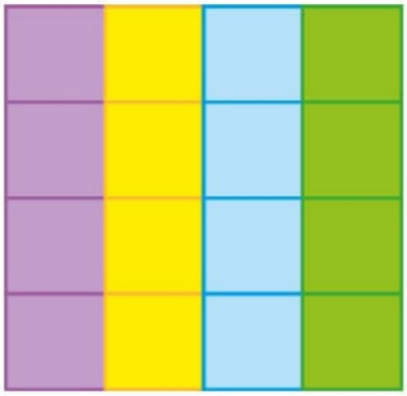
You can divide by 2 to find $\frac{1}{2}$ of a set.

$8 \div 2 = 4$

Each group has 4 cakes.

She gives her brother 4 cakes.

b How many squares are there in $\frac{1}{4}$ of the shape below?



$\frac{1}{4}$ of 16 = 16 ÷ 4

= 4

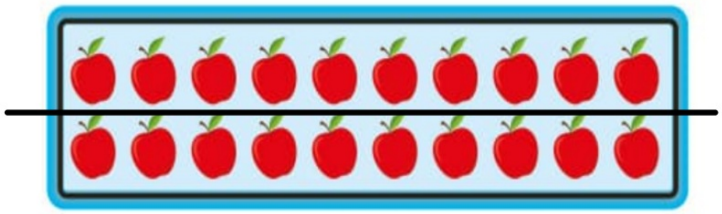
There are 4 squares in $\frac{1}{4}$ of the shape.

You can find quarters by dividing by 2 two times.

Finding $\frac{1}{4}$ of 16 squares is the same as dividing 16 by 4

Let's Practise

1 A basket has 20 apples.



Siti takes $\frac{1}{2}$ of the apples.

$\frac{1}{2}$ of 20 = 20 ÷ 2

= 10

How many apples does Siti take? 10

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2 Eddy has 16 buns.

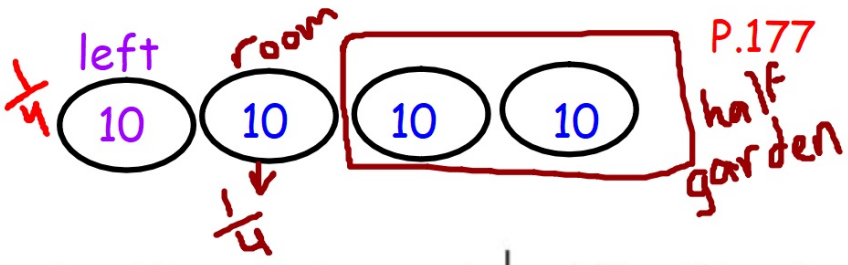
He gives $\frac{1}{4}$ of the buns to his father.

How many buns does he have left? 12 buns

He gives his father :

$\frac{1}{4}$ of 16 = 16 ÷ 4 = 4 buns

Eddy has "16 - 4 = 12 " buns left.



3 Raj has some tiles.

He uses $\frac{1}{2}$ of the tiles for his garden and $\frac{1}{4}$ of the tiles for his room.

He has 10 tiles left.

This is $\frac{1}{4}$ of the tiles he had at first.

a How many tiles does Raj have at first? 40 tiles

b How many more tiles does he use for the garden than the room? 10 tiles [$\frac{1}{4}$ of the tiles]