Let's Practise

I Jordan has 16 muffins. $\frac{1}{4}$ of (them) are banana muffins.

total • 16

$\frac{3}{4}$ of (them) are blueberry muffins.

16

a How many banana muffins does he have?

b How many blueberry muffins does he have?

a) $\frac{1}{4}$ of 16 = 16 ÷ 4 = 4

b) $\frac{3}{4}$ of 16 = 16 ÷ 4 = 4
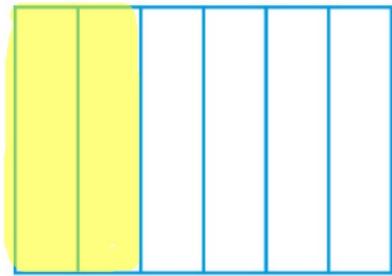
then 4 × 3 = 12

or 16 - 4 = 12 blueberry muffins

16

4   ?

banana muffins

denominator is 6

2 Eddy cuts a sheet of paper into 6 equal rectangles. How many rectangles make $\frac{1}{3}$ of the shape?

$\frac{1}{3}$ of 6 = 6 ÷ 3 = 2

$\frac{2}{6} = \frac{1}{3}$

3 What is $\frac{1}{10}$ of 50?

$\frac{1}{10}$ of 50 = 50 ÷ 10 = 5

4 There are 30 students *(total)* in a class. $\frac{1}{2}$ of them are girls. *(30)*

   a How many girls are there in the class?

            $\frac{1}{2}$ of 30 = 30 ÷ 2 = 15 girls

   b $\frac{1}{3}$ of the students *(30)* take the school bus.

      How many students take the school bus?

$\frac{1}{3}$ of 30 = 30 ÷ 3 = 10 students take the bus to school

5 $\frac{1}{5}$ of a number is 20.

   a What is the number?

      $\frac{1}{5}$ of number = 20

         number ÷ 5 = 20

   b What is $\frac{1}{2}$ of the number? 20 × 5 = 100

                    so the number is 100

     $\frac{1}{2}$ of 100 = 100 ÷ 2 = 50

6 Mira has some butterfly stickers and 4 flower stickers.

$\frac{3}{4}$ of the stickers are butterfly stickers.

How many butterfly stickers does Mira have?

Tick (✓) to show what you can do.

☐ I can find halves, thirds, quarters and tenths of a number.

$\frac{1}{4} \times$ stickers = 4

4 × 4 = 16 total stickers

Activity Book
Worksheet I5A

16

$\frac{3}{4}$ of 16

$\frac{1}{4}$ of 16 = 16 ÷ 4 = 4

4 × 3 = 12

Mira has 12 butterfly stickers.

or 16 (all) - 4 (flowers) = 12 (butterfly)

or 4 stickers are in one group

looking at the fraction $\underline{3}$ means all the stickers are divided equally into 4 groups
$\quad\quad\quad\quad\quad$ 4

| 4 | 4 | 4 | 4 |

we need to know how many stickers are in 3 groups = 4 + 4 + 4 = 12