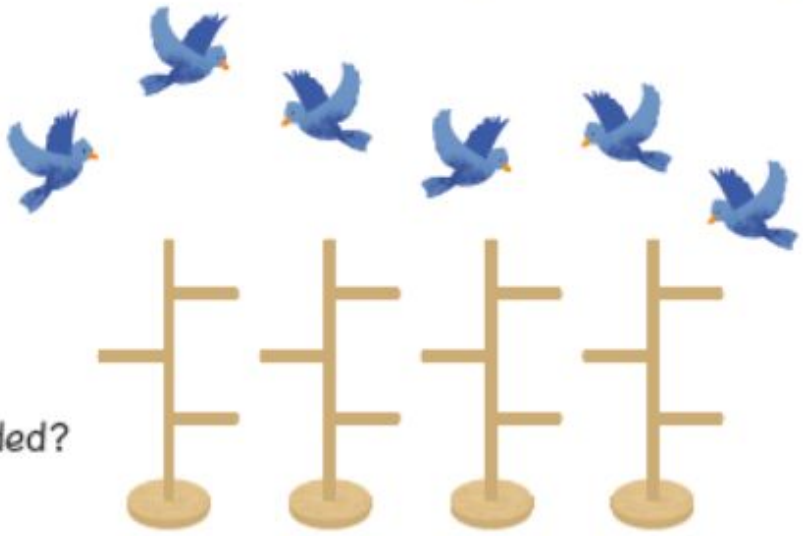
Arithmetic

Before you begin, practise your times tables on Time Tables Rockstars for 20 minutes

Dividing by 3

Lesson 8

In Focus



Each stand can hold 3 birds.
At least how many stands are needed?

My friend said that the question depends on how many birds you put on each stand.

What does my friend mean?

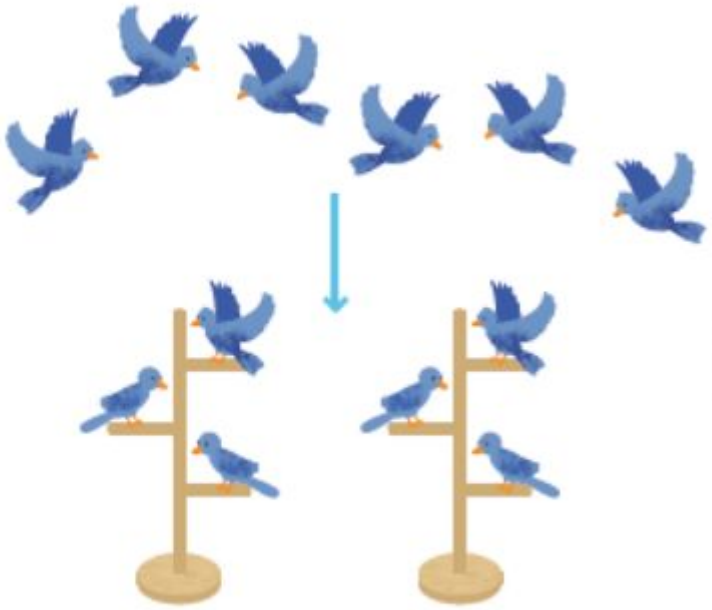
Firstly, we can find the number of stands you need to fit the 6 birds by putting the birds into GROUPS OF 3.

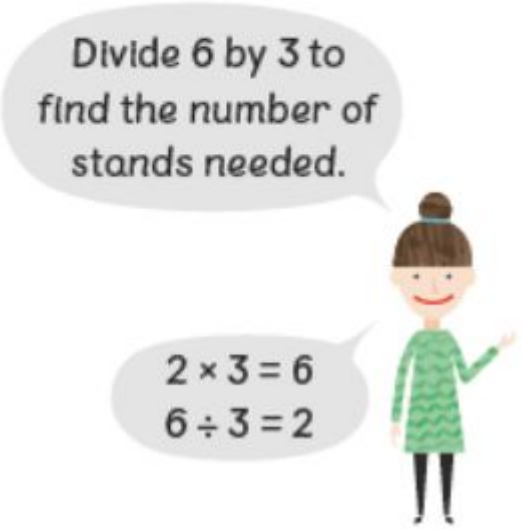
Secondly, we can place the birds in 3 EQUAL GROUPS (on 3 bird stands).

We will learn more about this in our 'Let's Learn' section.

Let's Learn

1 Put the birds in groups of 3.

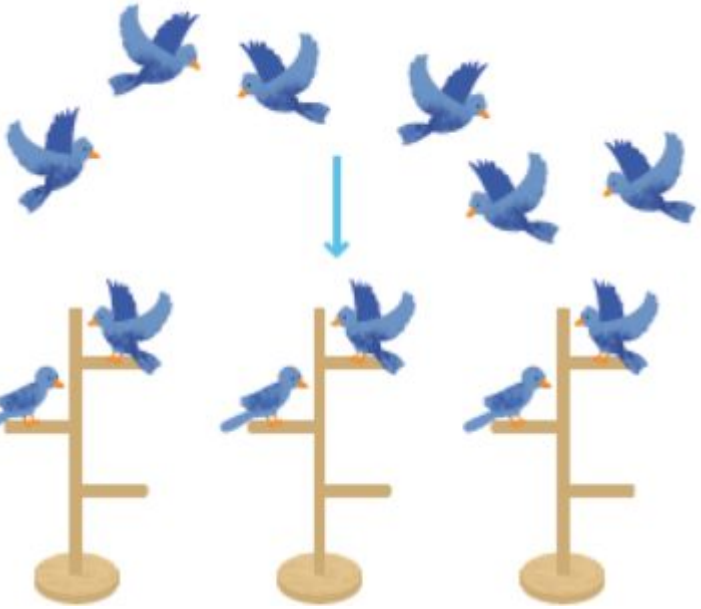




$6 \div 3 = 2$

At least 2 stands are needed.

2 Put 6 birds into 3 equal groups.



$6 \div 3 = 2$

There are 2 birds on each stand.

Guided Practice

Use  and  to help you.

1 Put 120  into 3 equal groups.

There are 40  in each group.

2 Put 120  into groups of 3.

There are 40 groups.

3 Write the missing numbers.

(a) $18 \div 3 =$ 6

$3 \times$ 6 $= 18$

(b) $24 \div 3 =$ 8

8 $\times 3 = 24$

Put 18 into 3 equal groups.

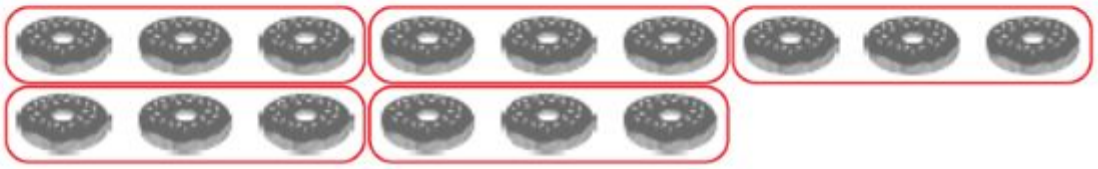
Put 24 into groups of 3.

Worksheet 8

Dividing by 3

1 Circle the items in groups of 3 and write down the division equations.

(a)



15 ÷ 3 = 5

There are 5 equal groups.

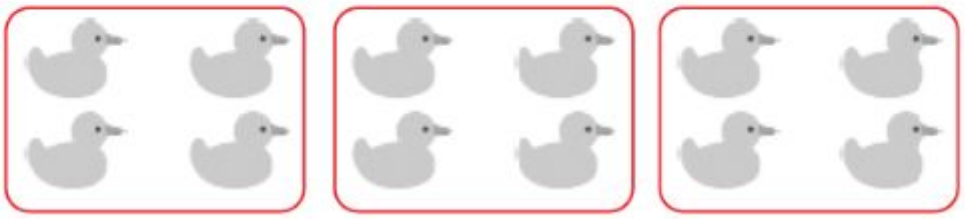
(b)

_____ ÷ _____ = _____

There are _____ equal groups.

2 Circle the items in 3 groups and write down the division equations.

(a)



12 ÷ 3 = 4

There are 4 ducks in each group.

(b) 

_____ ÷ _____ = _____

There are _____ marbles in each group.

3 Write the missing number.

a)_____ x 3 = 6

6 ÷ 3 = _____

b)_____ x 3 = 9

9 ÷ 3 = _____

c)3 x _____ = 21

21 ÷ 3 = _____

d)_____ x 3 = 27

27 ÷ 3 = _____