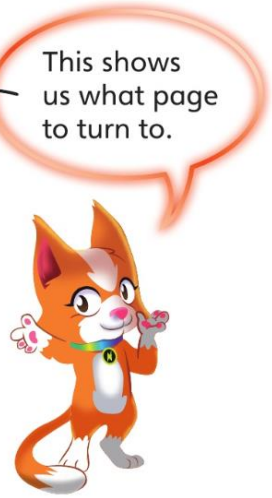
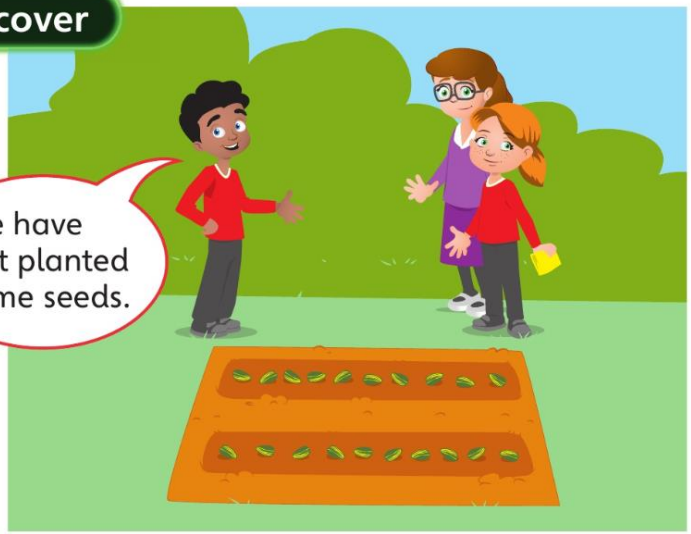
Contents



Lesson 1

Making simple arrays

Discover

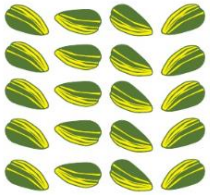


1 **a)** How many seeds are there in each **row**?

How many rows are there?

How many seeds are there in total?

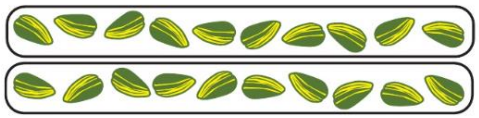
b) Anya plants her seeds like this.



How many seeds are there in total?

Share

a)

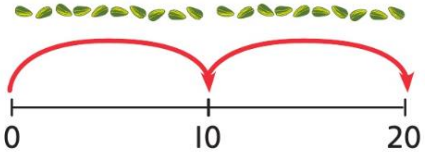


There are 10 seeds in each row.

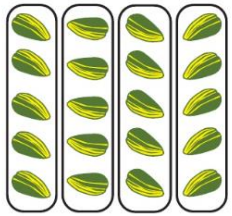
There are 2 rows.

10 + 10 = 20

There are 20 seeds in total.



b)



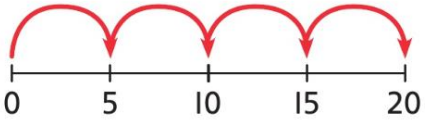
This arrangement is called an **array**.

There are 5 seeds in each **column**.

There are 4 columns.

5 + 5 + 5 + 5 = 20

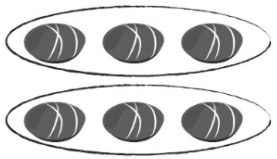
There are 20 seeds in total.



Lesson 1

Making simple arrays

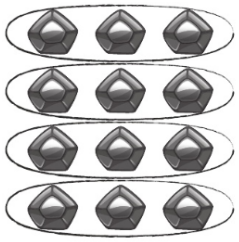
1 a)



There are ☐ in each row.

There are ☐ rows.

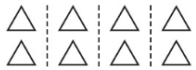
b)



There are ☐ in each row.

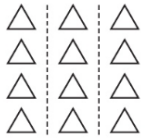
There are ☐ rows.

2 Match the array to the descriptions.



4 columns.

2 △ in each column.



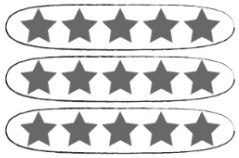
4 columns.

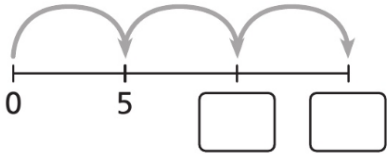
3 △ in each column.

3 columns.

4 △ in each column.

3 Complete the number line and the addition for the array.





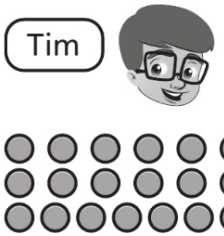
☐ + ☐ + ☐ = ☐

There are ☐ stars.

4 Tim and Kat are making arrays.

Who has made a mistake?

Tim



Kat

_____ has made a mistake because

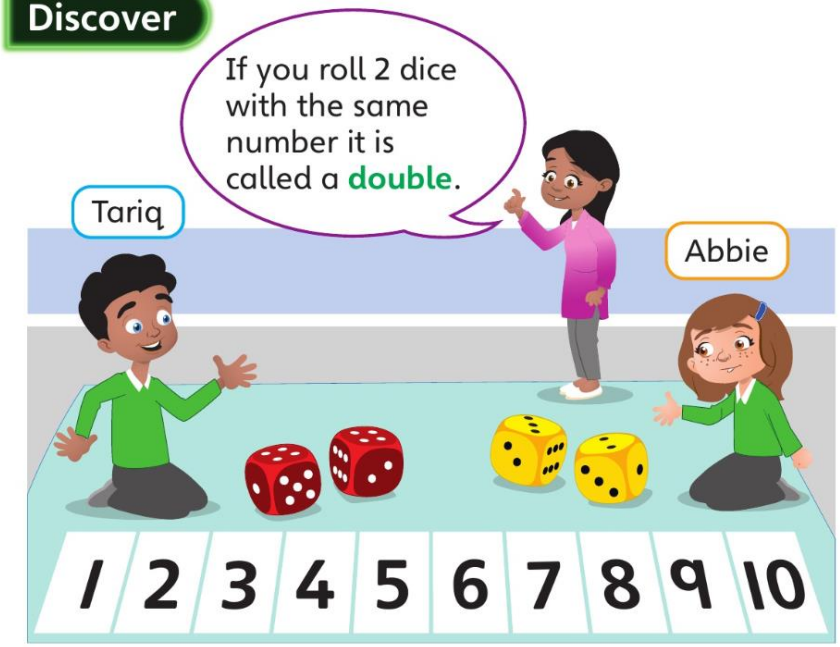
_____

_____

Lesson 2

Making doubles

Discover



1 **a)** Who rolled a double?

What is double 4?

b) What is double 6?

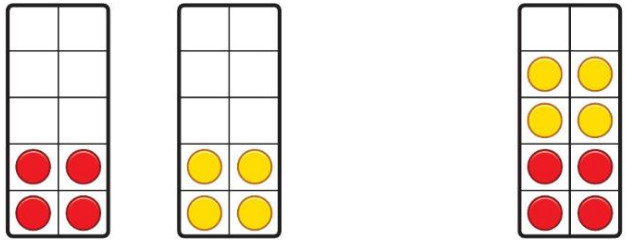
Share

I drew a picture to find the double.

I added to find the double.

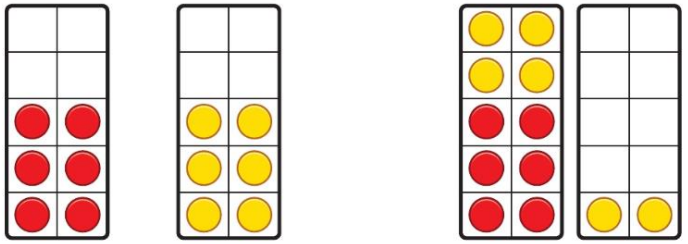
a) Tariq rolled a double.

Double 4 is two groups of 4.



4 + 4 = 8 Double 4 is 8.

b) Double 6 is two groups of 6.

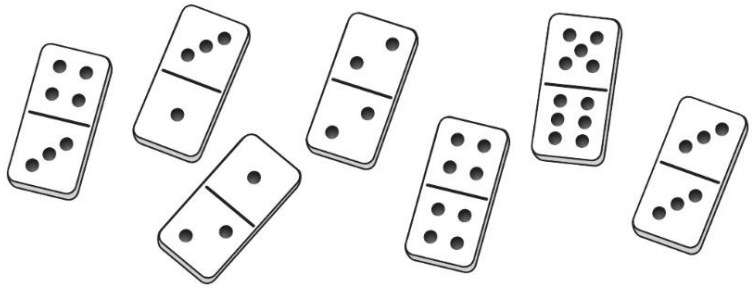


6 + 6 = 12 Double 6 is 12.

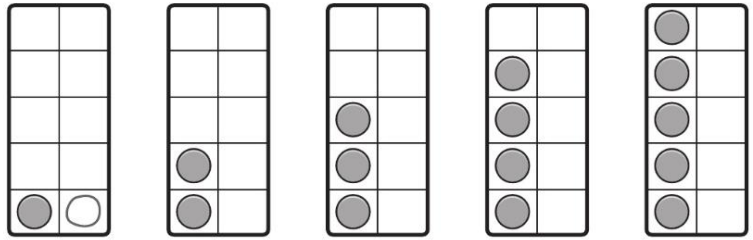
Lesson 2

Making doubles

1 Circle the dominoes that show doubles.



2 Draw ◯ to complete the doubles.



Double 1 is ☐.

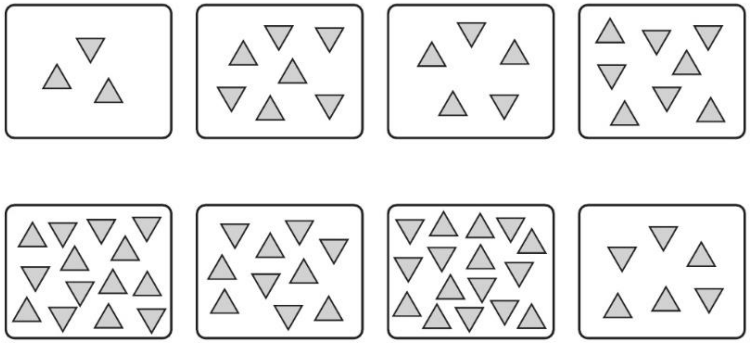
Double 2 is ☐.

Double 3 is ☐.

Double ☐ is ☐.

Double ☐ is ☐.

3 Match each card to its double.



4 Complete the sentences.

a)

Double 4 is ☐.

b)

10 is double ☐.

c)

2 is double ☐.

d)

Double ☐ is ☐.

Lesson 3

Sharing equally

Discover

1 **a)** **Share** 8  between 4 pizzas.

How many  should be on each pizza?

b) Share 12  on 4 pizzas.

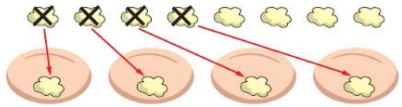
How many  should be on each pizza?

Share

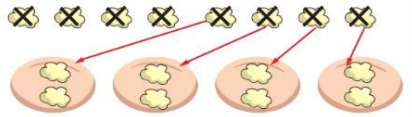
a) 8  are shared between 4 pizzas.

Every pizza has the same amount of each topping. Share each topping out one at a time.

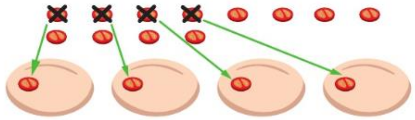
There are 2  on each pizza.



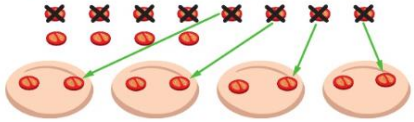
Now there are 4 groups of 2.



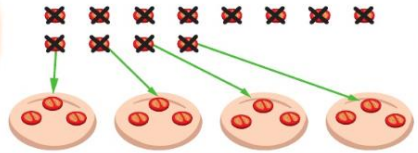
b) 12  are shared between 4 pizzas.



There are 3  on each pizza.



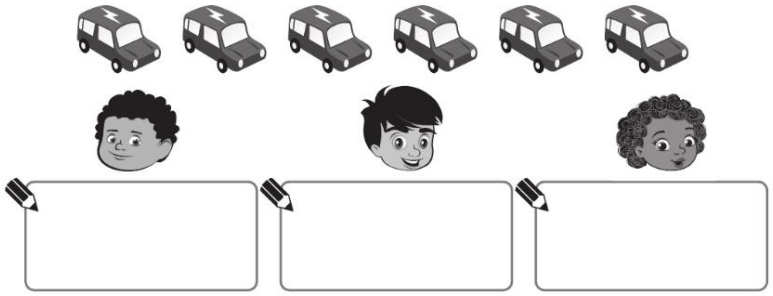
Now there are 4 groups of 3.



Lesson 3

Sharing equally

1 Share the toy cars equally between the children.

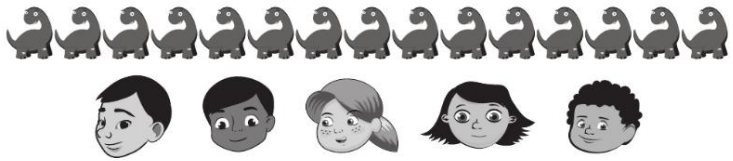


There are ☐ cars.

They are shared between ☐ children.

Each child gets ☐ cars.

2 Share the dinosaurs equally between the children.



There are ☐ dinosaurs.

They are shared between ☐ children.

Each child gets ☐ dinosaurs.

3 **a)** Two children share 18 cards equally between them for a game.

How many cards will each child get?

18 shared between 2 is ☐.

Each child gets ☐ cards.

b) One more child joins them and they have to share again.

Which sentence is correct?

A

Each child will get fewer than before.

B

Each child will get more than before.

C

Each child will get the same as before.

Explain your answer.

I think _____ is correct because _____

_____

_____ .

Lesson 4

Making equal groups

Discover

1 **a)** 10 children stand in 3 groups.

Are the groups all equal?

b) The children now stand in groups of 2.

How many groups are there?

Share

I can show the groups using counters.

a) 1 group of 2

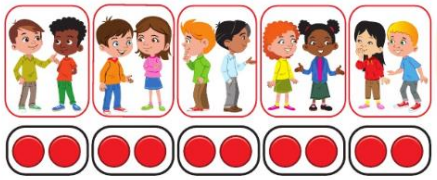
1 group of 3

1 group of 5

The groups have different numbers of children.

The children are not in equal groups.

b) There are 10 children altogether.



I will circle the children in groups of 2.

There are 2 children in each group.

There are 5 groups.

There are 5 groups of 2 children.

Lesson 4

Making equal groups

1 **a)** The farmer puts 2 horses in each horsebox.

There are 8 horses in total.

How many horseboxes does the farmer need?

The farmer needs ☐ horseboxes with 2 horses each.

b) The farmer puts 3 sheep in each pen.

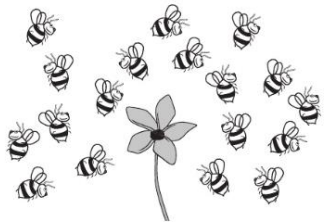
There are 15 sheep altogether.

How many pens does the farmer need?

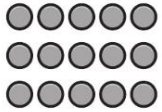
The farmer needs ☐ pens of 3 sheep.

2 There are 18 bees altogether.
How many groups of 3 bees are there?

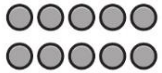
There are ☐ groups of 3 bees.



3 Join each set of counters to the correct description.

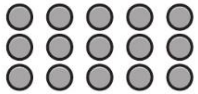


10 has been put into groups of 5.



There are 15 counters in groups of 3.

This is 15 sorted into groups of 5.



10 is sorted into groups of 2.

4 These children have 20 cubes each.

Which children made equal groups?

Tick the cubes in equal groups.