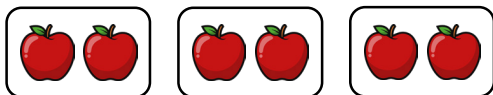


Divide by 2



1 Complete the calculations and stem sentences.

a



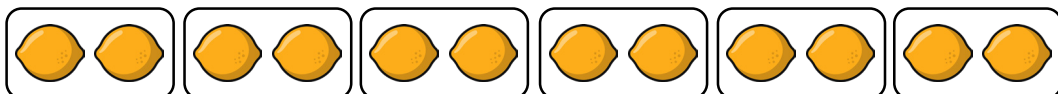
$$\begin{array}{|c|} \hline 6 \\ \hline \end{array} \div \begin{array}{|c|} \hline 3 \\ \hline \end{array} = \begin{array}{|c|} \hline 2 \\ \hline \end{array}$$
$$\begin{array}{|c|} \hline 3 \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = \begin{array}{|c|} \hline 6 \\ \hline \end{array}$$

I have 6 apples altogether.

There are 2 in each group.

There are 3 groups.

b



$$\begin{array}{|c|} \hline 12 \\ \hline \end{array} \div \begin{array}{|c|} \hline 6 \\ \hline \end{array} = \begin{array}{|c|} \hline 2 \\ \hline \end{array}$$
$$\begin{array}{|c|} \hline 6 \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = \begin{array}{|c|} \hline 12 \\ \hline \end{array}$$

I have 12 lemons altogether.

There are 2 in each group.

There are 6 groups.

c



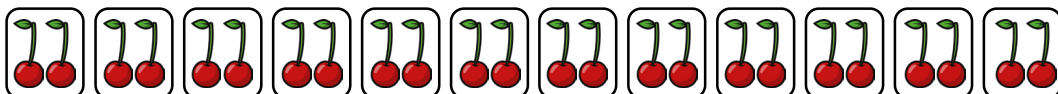
$$\begin{array}{|c|} \hline 16 \\ \hline \end{array} \div \begin{array}{|c|} \hline 8 \\ \hline \end{array} = \begin{array}{|c|} \hline 2 \\ \hline \end{array}$$
$$\begin{array}{|c|} \hline 8 \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = \begin{array}{|c|} \hline 16 \\ \hline \end{array}$$

I have 16 pears altogether.

There are 2 in each group.

There are 8 groups.

d



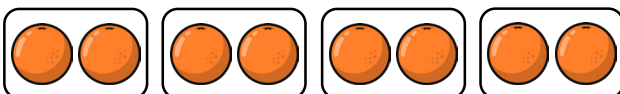
$$\begin{array}{|c|} \hline 24 \\ \hline \end{array} \div \begin{array}{|c|} \hline 12 \\ \hline \end{array} = \begin{array}{|c|} \hline 2 \\ \hline \end{array}$$
$$\begin{array}{|c|} \hline 12 \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = \begin{array}{|c|} \hline 24 \\ \hline \end{array}$$

I have 24 cherries altogether.

There are 2 in each group.

There are 12 groups.

e



$$\begin{array}{|c|} \hline 8 \\ \hline \end{array} \div \begin{array}{|c|} \hline 4 \\ \hline \end{array} = \begin{array}{|c|} \hline 2 \\ \hline \end{array}$$
$$\begin{array}{|c|} \hline 4 \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = \begin{array}{|c|} \hline 8 \\ \hline \end{array}$$

I have 8 oranges altogether.

There are 2 in each group.

There are 4 groups.

Divide by 2



1 Group the objects.

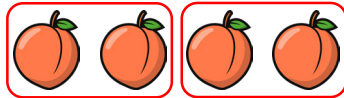
a Strawberries into pairs.



$$14 \div 7 = 2$$

$$7 \times 2 = 14$$

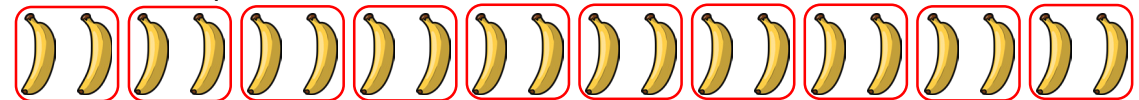
b Peaches into pairs.



$$4 \div 2 = 2$$

$$2 \times 2 = 4$$

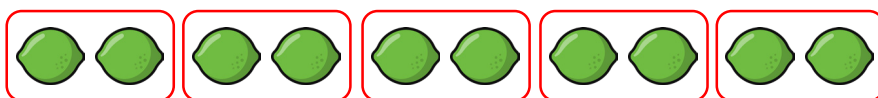
c Bananas into pairs.



$$20 \div 10 = 2$$

$$10 \times 2 = 20$$

d Limes into pairs.



$$10 \div 5 = 2$$

$$5 \times 2 = 10$$

e Apples into pairs.



$$18 \div 9 = 2$$

$$9 \times 2 = 18$$

f Acorns into pairs.



$$22 \div 11 = 2$$

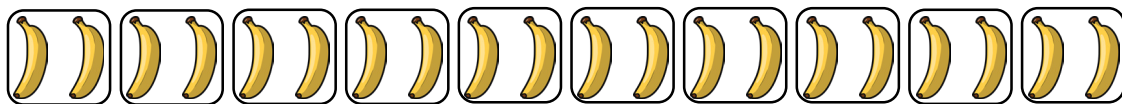
$$11 \times 2 = 22$$

Divide by 2



1 Complete the calculations and stem sentences.

a



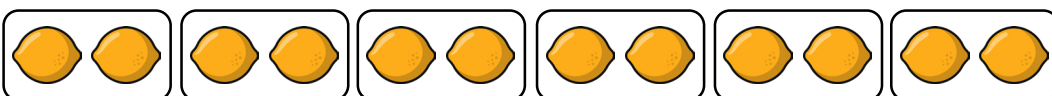
$$\begin{array}{|c|} \hline 20 \\ \hline \end{array} \div \begin{array}{|c|} \hline 10 \\ \hline \end{array} = \begin{array}{|c|} \hline 2 \\ \hline \end{array}$$
$$\begin{array}{|c|} \hline 10 \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = \begin{array}{|c|} \hline 20 \\ \hline \end{array}$$

I have 20 bananas altogether.

There are 2 in each group.

There are 10 groups.

b



$$\begin{array}{|c|} \hline 12 \\ \hline \end{array} \div \begin{array}{|c|} \hline 6 \\ \hline \end{array} = \begin{array}{|c|} \hline 2 \\ \hline \end{array}$$
$$\begin{array}{|c|} \hline 6 \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = \begin{array}{|c|} \hline 12 \\ \hline \end{array}$$

I have 12 lemons altogether.

There are 2 in each group.

There are 6 groups.

c



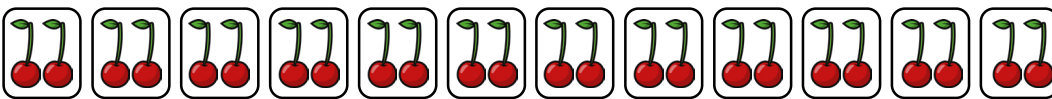
$$\begin{array}{|c|} \hline 16 \\ \hline \end{array} \div \begin{array}{|c|} \hline 8 \\ \hline \end{array} = \begin{array}{|c|} \hline 2 \\ \hline \end{array}$$
$$\begin{array}{|c|} \hline 8 \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = \begin{array}{|c|} \hline 16 \\ \hline \end{array}$$

I have 16 pears altogether.

There are 2 in each group.

There are 8 groups.

d



$$\begin{array}{|c|} \hline 24 \\ \hline \end{array} \div \begin{array}{|c|} \hline 12 \\ \hline \end{array} = \begin{array}{|c|} \hline 2 \\ \hline \end{array}$$
$$\begin{array}{|c|} \hline 12 \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = \begin{array}{|c|} \hline 24 \\ \hline \end{array}$$

I have 24 cherries altogether.

There are 2 in each group.

There are 12 groups.

e



$$\begin{array}{|c|} \hline 30 \\ \hline \end{array} \div \begin{array}{|c|} \hline 15 \\ \hline \end{array} = \begin{array}{|c|} \hline 2 \\ \hline \end{array}$$
$$\begin{array}{|c|} \hline 15 \\ \hline \end{array} \times \begin{array}{|c|} \hline 2 \\ \hline \end{array} = \begin{array}{|c|} \hline 30 \\ \hline \end{array}$$

I have 30 acorns altogether.

There are 2 in each group.

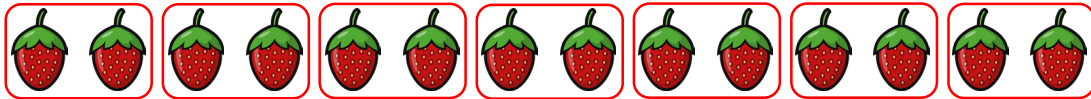
There are 15 groups.

Divide by 2



1 Group the objects.

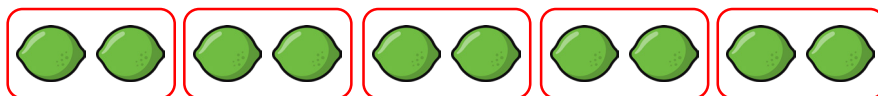
a Strawberries into pairs.



$$14 \div 7 = 2$$

$$7 \times 2 = 14$$

b Limes into pairs.



$$10 \div 5 = 2$$

$$5 \times 2 = 10$$

c Apples into pairs.



$$18 \div 9 = 2$$

$$9 \times 2 = 18$$

2 Complete the sentences and calculations.

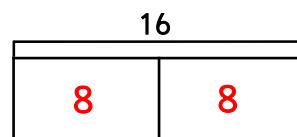
a Sue and Will have 16 sweets between them.
They share them equally.
How many sweets does each child get?

There are 16 sweets altogether.

There are 2 groups.

There are 8 in each group.

$$16 \div 2 = 8$$
$$2 \times 8 = 16$$



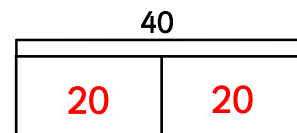
b Cath and Rob have 40 biscuits between them.
They share them equally.
How many biscuits will each child get?

There are 40 sweets altogether.

There are 2 groups.

There are 20 in each group.

$$40 \div 2 = 20$$
$$2 \times 20 = 40$$




Divide by 2



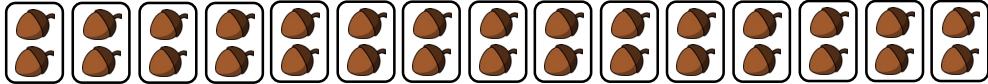
1 Complete the calculations and stem sentences.

a


$$\begin{array}{r} 24 \\ 12 \end{array} \div \begin{array}{r} 12 \\ 2 \end{array} = \begin{array}{r} 2 \\ 24 \end{array}$$

I have 24 cherries altogether.
There are 2 in each group.
There are 12 groups.

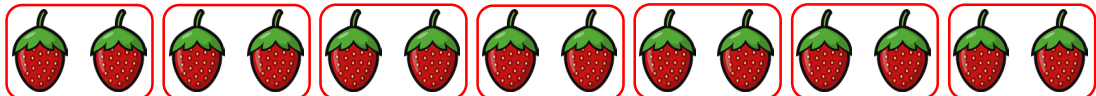
b


$$\begin{array}{r} 30 \\ 15 \end{array} \div \begin{array}{r} 2 \\ 2 \end{array} = \begin{array}{r} 15 \\ 30 \end{array}$$


I have 30 acorns altogether.
There are 2 in each group.
There are 15 groups.

2 Group the objects.

a Strawberries into pairs.


$$\begin{array}{r} 14 \\ 7 \end{array} \div \begin{array}{r} 7 \\ 2 \end{array} = \begin{array}{r} 2 \\ 14 \end{array}$$
$$\begin{array}{r} 7 \\ 2 \end{array} \times \begin{array}{r} 2 \\ 14 \end{array} = \begin{array}{r} 14 \\ 14 \end{array}$$

b Apples into pairs.


$$\begin{array}{r} 18 \\ 9 \end{array} \div \begin{array}{r} 9 \\ 2 \end{array} = \begin{array}{r} 2 \\ 18 \end{array}$$
$$\begin{array}{r} 9 \\ 2 \end{array} \times \begin{array}{r} 2 \\ 18 \end{array} = \begin{array}{r} 18 \\ 18 \end{array}$$

3 Sue and Will have 50 marbles between them.

They share them equally.

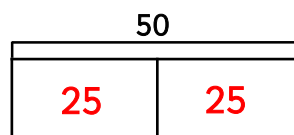
How many marbles will each child get?

There are 50 sweets altogether.

There are 2 groups.

There are 25 in each group.

$$\begin{array}{r} 50 \\ 2 \end{array} \div \begin{array}{r} 2 \\ 25 \end{array} = \begin{array}{r} 25 \\ 50 \end{array}$$



Divide by 2



Reasoning and problem solving challenge cards:

Spot the mistake.

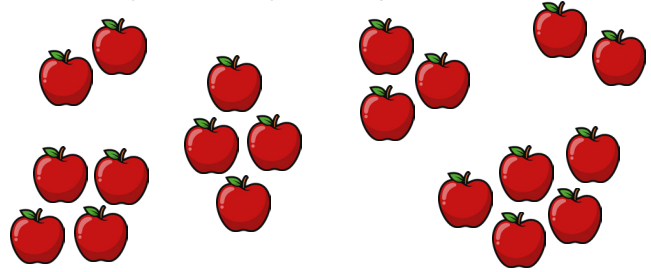
10 equal groups of 2 can be made from 22.

Explain your answer.

10 equal groups cannot be made.
11 equal groups of 2 can be made from 22
as $22 \div 2 = 11$.

Anne and Lisa share these apples equally between them.

How many will they each get? 10.



60p is divided equally between two friends.
They will each get 35p.

Is this correct?

Explain your answer.



No.
They will each get 30p as $60p \div 2 = 30p$

I have 18 sweets that I share equally with my friend.

We each get 8 sweets.

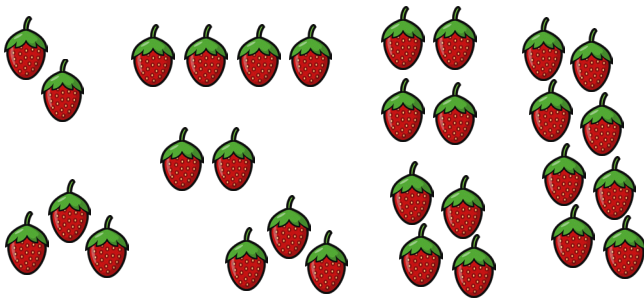


True or false? Explain your answer.

False. $18 \div 2 = 9$.
They will get 9 sweets each.

Andy and Pete share these strawberries equally between them.

How many will they each get? 15



Spot the mistake and explain your answer.

$$50 \div 2 = 30.$$

The mistake is that $50 \div 2 = 25$ (not 30).

Sue and Mo have 22p and divide it equally between them. They will get 11p each.

Is this correct?

Explain your answer.



Yes this is correct
They will each get 11p as
 $22 \div 2 = 11p$

26 marbles are shared equally between 2 jars. Each jar will have 13 marbles in it.

True or false? Explain your answer.

True as $26 \div 2 = 13$.