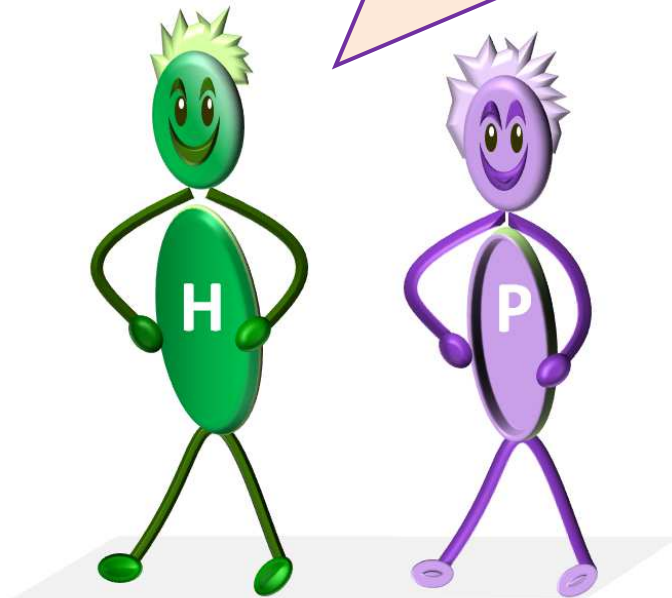


Henry and Poppy
have fun with **Multiplication**

Year 1 maths

We had fun making these questions
for you. Enjoy them.



CONTENT

Year 1:

- Repeating patterns and Grouping
- Doubling and halving
- Lots of - counting in steps of 2, 5 and 10's
- Repeated addition on a numbered line

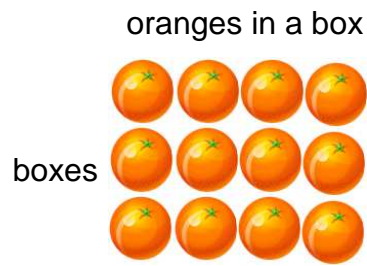
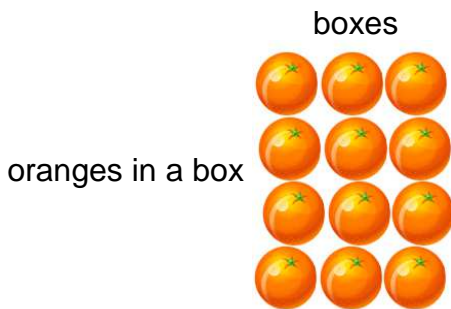
Arrays are a pictorial representation

There are 4 oranges in each box. I have 3 boxes.

How many oranges do I have altogether?



The oranges can be shown vertically or horizontally in Arrays:



There are 12 oranges.

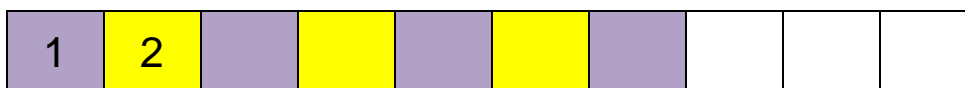
Rather than counting them individually we can say we have 3 lots of 4 or 4 lots of 3. So $3 \times 4 = 12$

There are 12 oranges and 4 fit in a box. How many boxes do we need? So $12 \div 4 = 3$ boxes

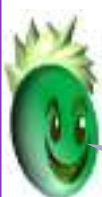
Multiplication and division are opposite so I have shown both in some examples

1

Colour in this repeating pattern



Write numbers in the repeating pattern
1 and 2 have been done



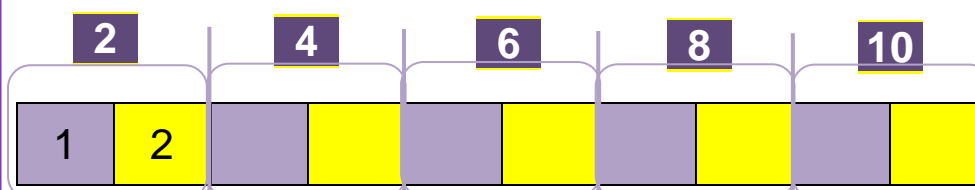
How many are in the whole
pattern

1 mark

Year-1- MULTIPLY: Repeating patterns and Grouping

2

We can *group* the repeating
pattern in twos



and then count up in 2's
so it's 5 **lots of 2**

so there are 10 in the
whole repeating pattern

Year-1- MULTIPLY: Repeating patterns and Grouping

3



Our plant grows 2 leaves every day



After 1 day it has 2 leaves



After 3 days it has 6 leaves
Can you see a repeating pattern



How many leaves are there after 4 days



1 mark

Year-1- MULTIPLY: Repeating patterns and Grouping

4



Our plant grows 2 leaves every day



After 4 days it has 8 leaves



How many leaves are there after 5 days



1 mark

Year-1- MULTIPLY: Repeating patterns and Grouping

5



Our plant grows 2 leaves every day



Today it has 4 leaves



So it is 2 days old

Year-1- DIVIDE: Repeating patterns and Grouping

6



Our plant grows 2 leaves every day



Today it has 6 leaves



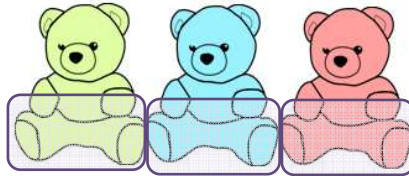
How many days old is our plant

1 mark

Year-1- DIVIDE: Repeating patterns and Grouping

7

There are 3 teddies with 2 feet each



2 4 6



That's like a repeating pattern of 2
I can group them and count up in twos
2, 4, 6 so there are 6 feet

Year-1- MULTIPLY: Repeating patterns and Grouping

8

Look at this repeating pattern



How many are in each part
of the repeating pattern



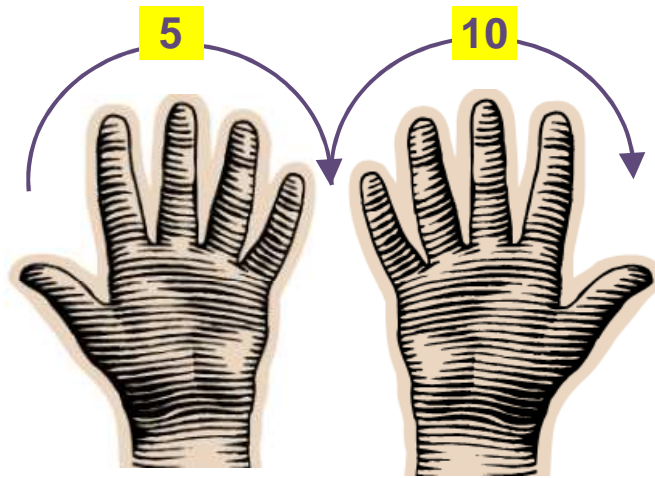
How many are in the whole pattern
hint: do 3 **lots of 5**

2 marks

Year-1- MULTIPLY: Repeating patterns and Grouping

9

Each hand is like a repeating pattern
There are 5 fingers in a hand
How many fingers are there in 2 hands

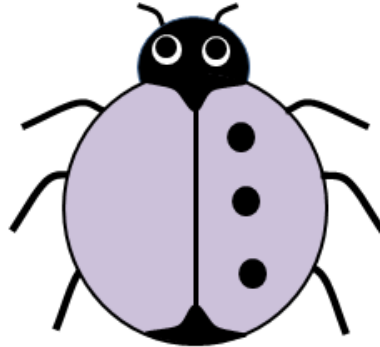


It goes up in fives like 5, 10
I can count in fives
Yippee – I'm a genius.

Year-1- MULTIPLY: Repeating patterns and Grouping

1

Look at the lady bird
It has 3 spots on one wing
Colour the same number of spots
on the other wing



What is double 3

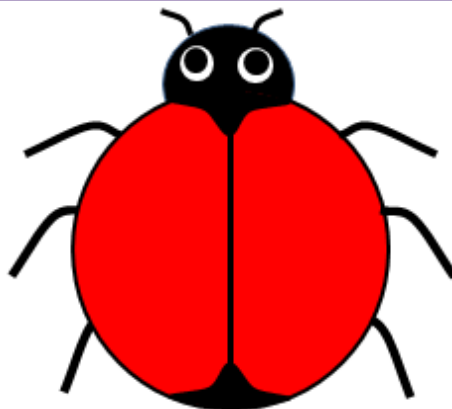
1 mark



Year-1- MULTIPLY: halving and doubling

2

Look at the lady bird
Colour 5 spots on one wing
Then colour 5 spots on the other wing



What is double 5

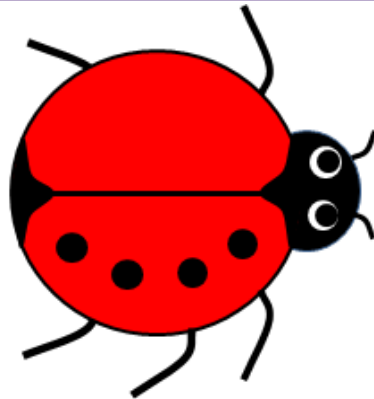
1 mark



Year-1- MULTIPLY: halving and doubling

3

Look at the lady bird
There are 4 spots on one wing
Colour 4 spots on the other wing



What is double 4

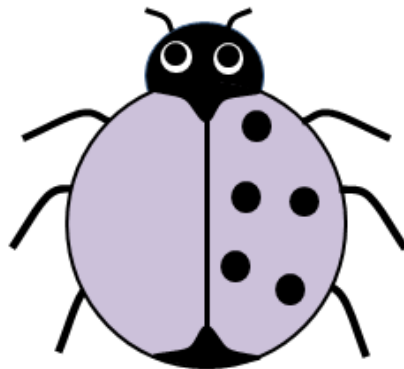
1 mark



Year-1- MULTIPLY: halving and doubling

4

Look at the lady bird
It has 5 spots on one wing
Colour 5 spots on the other wing



What is double 5

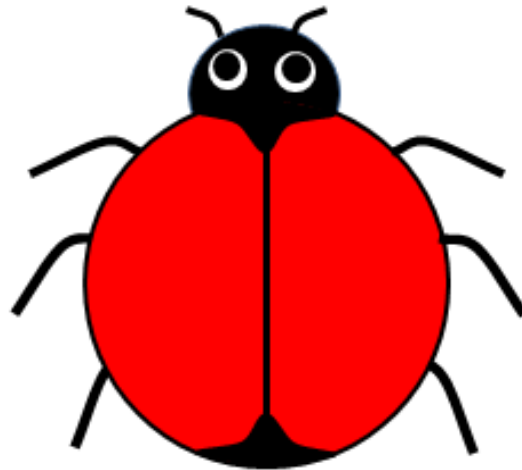
1 mark



Year-1- MULTIPLY: halving and doubling

5

Think of a number between 1 and 10
Colour that number of spots on one wing

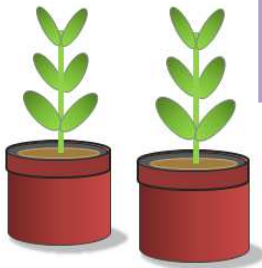


Colour dots on the other wing
to find double your number

1 mark

Year-1- MULTIPLY: halving and doubling

6



Each plant has 6 leaves



What is double 6

1 mark

Year-1- MULTIPLY: halving and doubling

7



Each plant has 8 leaves



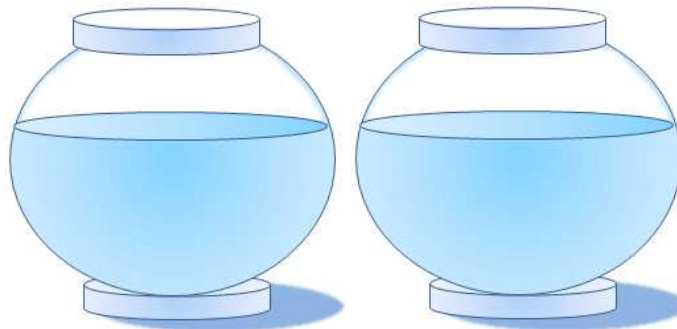
What is double 8

1 mark

Year-1- MULTIPLY: halving and doubling

8

Henry and I have a fish bowl each.



We have 10 fish each



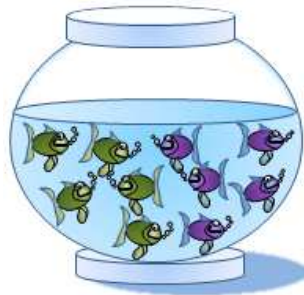
What is double 10

1 mark

Year-1- MULTIPLY: halving and doubling

9

Henry and I have 10 fish altogether



What is half of 10

1 mark

Year-1- DIVIDE: halving and doubling

10



I put my 12 marbles into two jars



What is half of 12

1 mark

Year-1- DIVIDE: halving and doubling

11

I want to divide my 20 marbles into 2 jars



How many should I put in each jar

1 mark

Year-1- DIVIDE: halving and doubling

12



How many leaves does our plant have



What is half of that

1 mark

Year-1- DIVIDE: halving and doubling

13



Our plant has 10 leaves



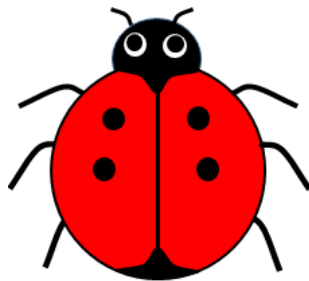
What is half of 10

1 mark

Year-1- DIVIDE: halving and doubling

14

Look at the lady bird
It has 4 spots altogether



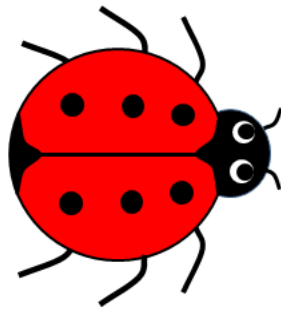
What is half of 4

1 mark

Year-1- DIVIDE: halving and doubling

15

Look at the lady bird
It has 6 spots altogether



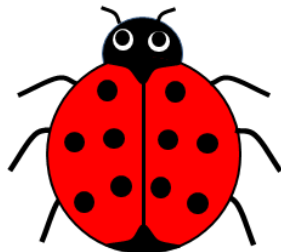
What is half of 6

1 mark

Year-1- DIVIDE: halving and doubling

16

Look at the lady bird
It has 10 spots altogether



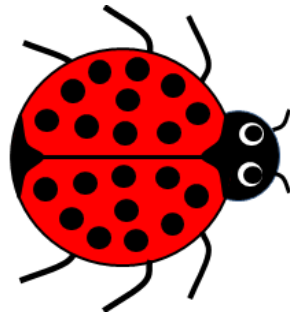
What is half of 10

1 mark

Year-1- DIVIDE: halving and doubling

17

Look at the lady bird
It has 20 spots altogether



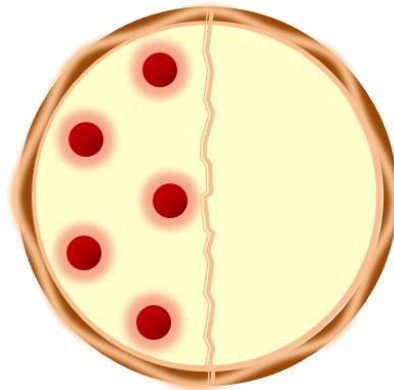
What is half of 20

1 mark

Year-1- DIVIDE: halving and doubling

18

Look at the pizza
It has 5 toppings on one half
Colour the same number of
toppings on the other half



What is double 5

1 mark

Year-1- MULTIPLY: halving and doubling

19

Think of a number between 1 and 10
Colour that number of toppings on one
half of the pizza



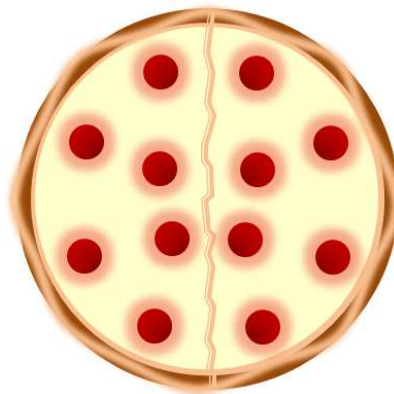
Colour toppings on the other
half to find double your number

1 mark

Year-1- MULTIPLY: halving and doubling

20

There are 12 toppings on this pizza



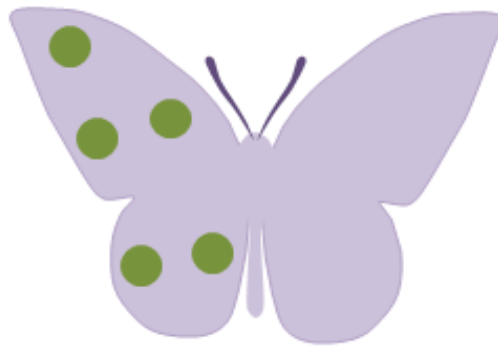
What is half of 12

1 mark

Year-1- DIVIDE: halving and doubling

21

Look at the butterfly
It has 5 spots on one wing
Colour the same number of spots
on the other wing



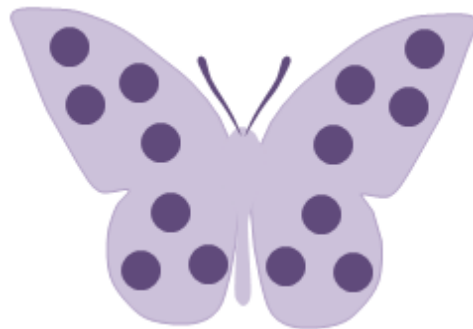
What is double 5

1 mark

Year-1- MULTIPLY: halving and doubling

22

Look at the butterfly
It has 14 spots altogether



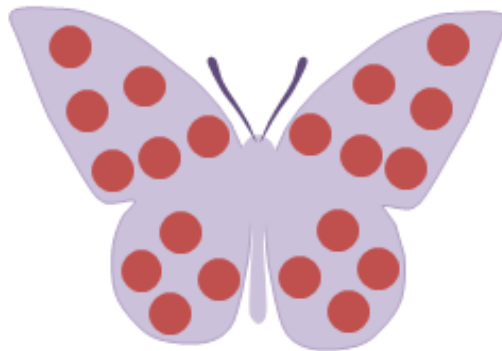
What is half of 14

1 mark

Year-1- DIVIDE: halving and doubling

23

Look at the butterfly
It has 20 spots altogether



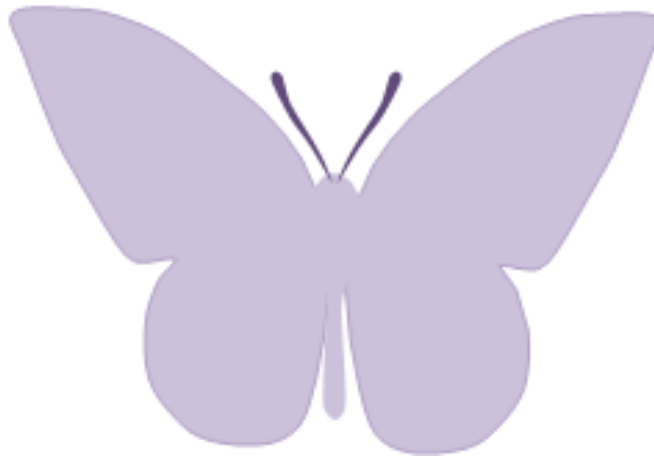
What is half of 20

1 mark

Year-1- DIVIDE: halving and doubling

24

Look at the butterfly
Colour 7 spots on each wing



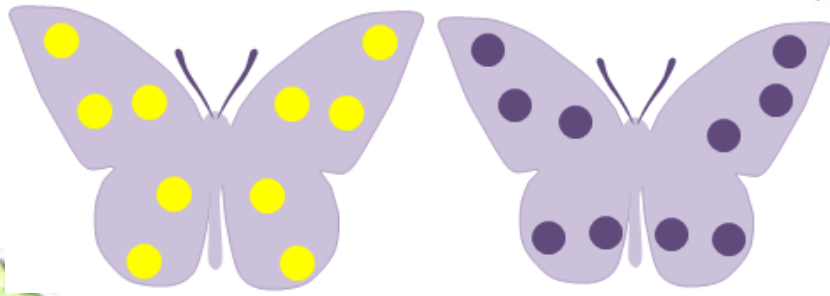
What is double 7

1 mark

Year-1- MULTIPLY: halving and doubling

25

Count the spots on these two butterfly



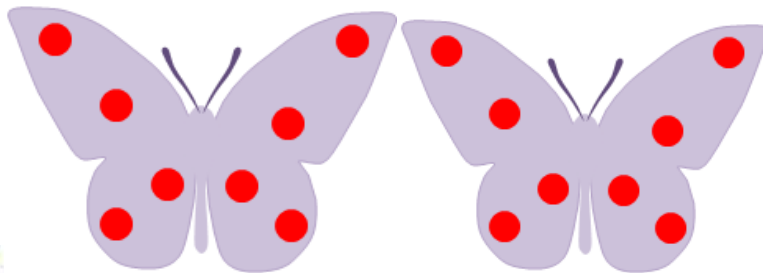
What is double 10

1 mark

Year-1- MULTIPLY: halving and doubling

26

Count the spots on these two butterfly

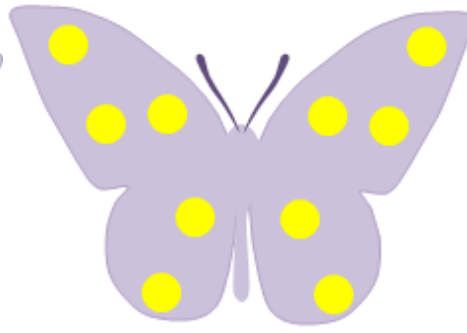
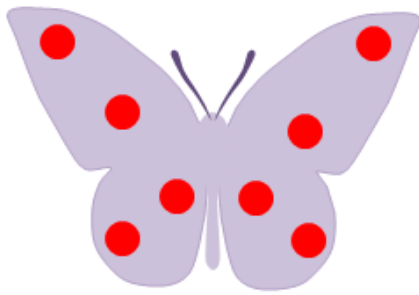


What is double 8

1 mark

Year-1- MULTIPLY: halving and doubling

Count the spots on these two butterfly



What is half of 18

1 mark

Year-1- DIVIDE: halving and doubling

1

Look at these 2p coins
There are 4 coins.
How much are they worth



You can count up in twos
it's 4 **lots of 2p**



1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

2

Look at these 5p coins
There are 3 coins.
How much are they worth



You can count up in fives
it's 3 **lots of 5p**



1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

3

Look at these 10p coins
There are 3 coins.
How much are they worth



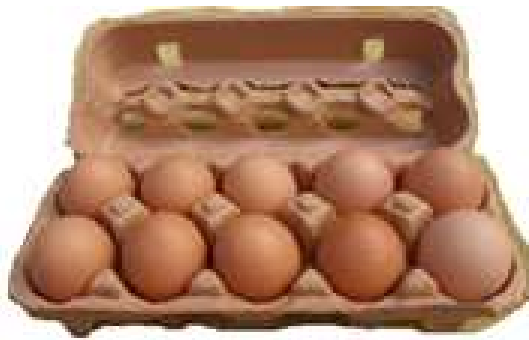
You can count up in tens
it's 3 **lots of** 10p

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

4

There are 10 eggs in a carton



How many are in 4 cartons
it's 4 **lots of** 10 eggs

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

5

I put some 2p coins into my piggy bank



You put six 2p coins in the piggy bank
How much is that



1 mark

Year-1- MULTIPLY: : Lots of - counting in steps of 2, 5 and 10's

6

I put some 5p coins into my piggy bank



You put three 5p coins in the piggy bank
How much is that



1 mark

Year-1- MULTIPLY: : Lots of - counting in steps of 2, 5 and 10's

7

I put some 10p coins into my piggy bank



You put five 10p coins in
How much is that

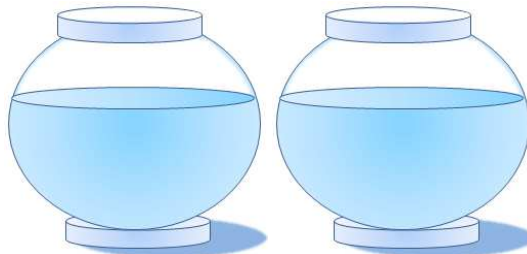


1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

8

Henry and I have a fish bowl each



We have 6 fish each



How many fish have we
got altogether



1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

9

I put some 10p coins into my piggy bank



You have 50p in your piggy bank
How many 10p coins is that



1 mark

Year-1- DIVIDE: Lots of - counting in steps of 2, 5 and 10's

1

There are two lots of buttons.
In each lots there are two buttons



How many buttons are there altogether

2 lots of 2 are 4 buttons

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

2

There are three lots of buttons.
In each lots there are two buttons



How many buttons are there altogether

Instead of saying 'are' write the equals sign =

3 lots of 3 =

or

$3 \times 3 =$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

3

There are two lots of buttons.
In each lots there are five buttons



How many buttons are there altogether

2 lots of 5 =

or

2×5



1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

4

There are 4 teddies



How many feet are there altogether

4 lots of 2 =

or

4×2

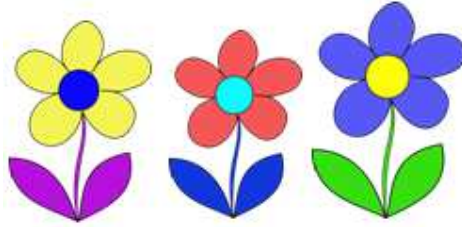


1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

5

There are 3 flowers



How many petals are there altogether

3 lots of 5 =

or

3×5

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

6

There are 2 flowers



How many petals are there altogether

2 lots of 10 =

or

2×10

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

7

There are five lots of buttons.
In each lots there are two buttons



How many buttons are there altogether

Instead of saying 'lots of' write the
multiply sign \times

$$5 \times 2 =$$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

8

There are **two** eggs in one nest.



How many eggs are in **three** nests?

$$3 \times 2 =$$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

9

How many conkers are there. Count in lots of twos.



$$5 \times 2 =$$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

10

How many pairs of socks are there?



Count in lots of pairs

How many single socks are there

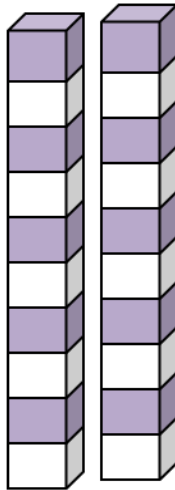
$$5 \times 2 =$$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

11

There are two piles of bricks
In each pile there are 10 bricks



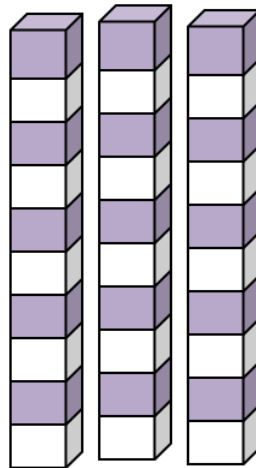
What is
 $2 \times 10 =$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

12

There are three piles of bricks
In each pile there are 10 bricks



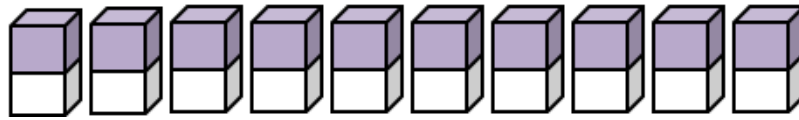
What is
 $3 \times 10 =$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

13

There are ten piles of bricks
In each pile there are 2 bricks

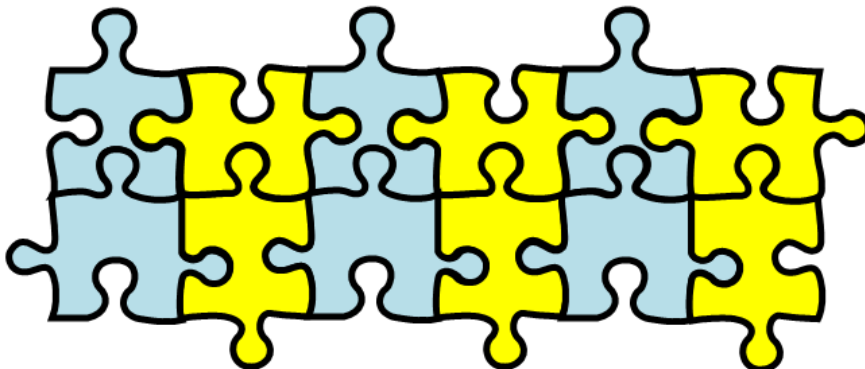


What is
 $10 \times 2 =$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

14 How many jigsaw pieces are there altogether.



$6 \times 2 =$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

15 There are **five** eggs in one nest.



How many eggs are in **three** nests?

$$3 \times 5 =$$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

16 There are **five** fingers on one hand.



How many fingers are on **four** hands?

$$4 \times 5 =$$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

17 John, Jane and Amir have 5 conkers each.



John

Jane

Amir

How many conkers are there altogether

$$3 \times 5 =$$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

18

There are **four** wings on a bee.



How many wings are on **five** bees?

$$5 \times 4 =$$

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

19

There are **ten** eggs in one nest.



How many eggs are there in **three** nests?

1 mark

Year-1- MULTIPLY: Lots of - counting in steps of 2, 5 and 10's

1

The easiest way to count in twos is to use a number line



First write the missing numbers from 1 to 12 on this number line. I've done 1 and 2 for you



Now start from 0 and draw jumps in steps of 2 to the end of the line I've done the first one for you



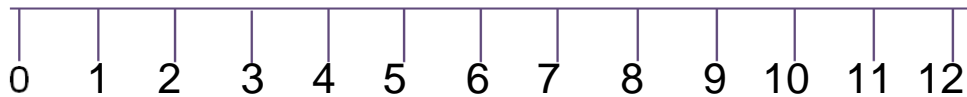
Year-1- MULTIPLY: Repeated addition on a numbered line

2

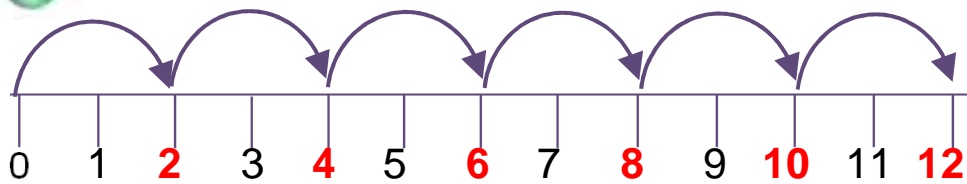
Henry draw steps of two on this number line



OK Poppy that looks easy.
First I put the numbers on the number line



Then I start from 0 and
draw jumps in steps of 2



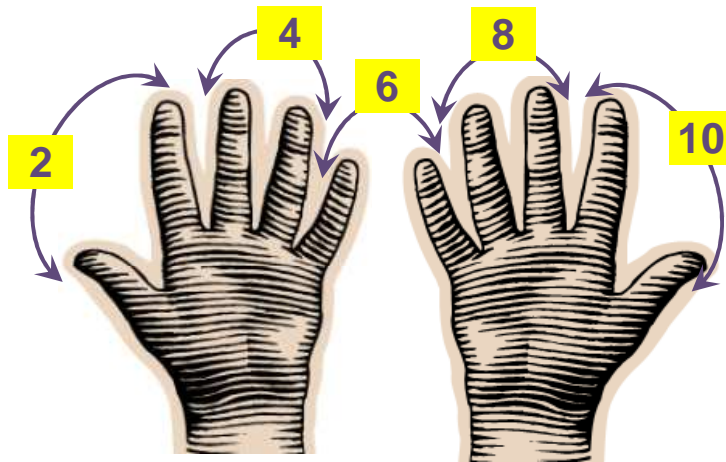
Its 2 4 6 8 10 then 12
Yippee – I'm a genius.



Year-1-Multiplication – Repeated addition on a numbered line

3

Put your fingers like this.
Then count up in twos



It goes 2 , 4, 6, 8 and 10
I can count in twos
Yippee – I'm a genius.

1 mark

Year-1- MULTIPLY: Counting in steps of 2, 5 and 10 - using equal lots, sets or groups

4

Complete the number line.



1 mark



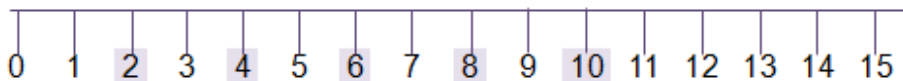
Year-1-Multiplication – Repeated addition on a numbered line

5

Use the number line to do

5 lots of 2

$$5 \times 2 =$$



1 mark



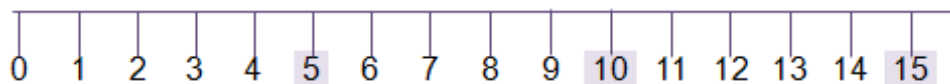
Year-1-Multiplication – Repeated addition on a numbered line

6

Use the number line to do

3 lots of 5

$$3 \times 5 =$$



1 mark



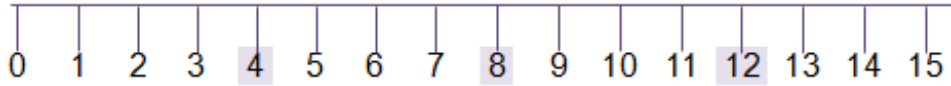
Year-1-Multiplication – Repeated addition on a numbered line

7

Use the number line to do

3 lots of 4

$$3 \times 4 = \boxed{}$$



1 mark

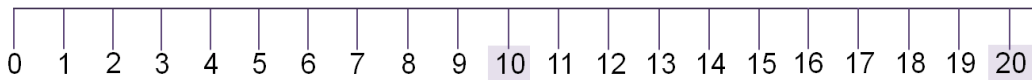
Year-1-Multiplication – Repeated addition on a numbered line

8

Use the number line to do

2 lots of 10

$$2 \times 10 = \boxed{}$$

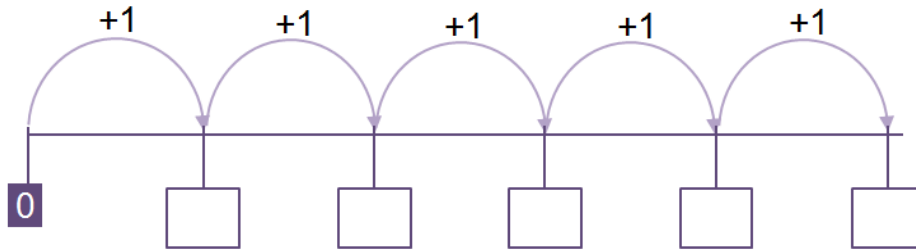


1 mark

Year-1-Multiplication – Repeated addition on a numbered line

1

Complete the number line for jumps of 1

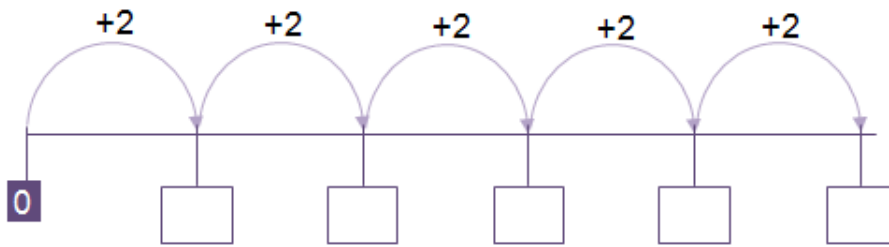


1 mark

Year-1-Multiplication – Repeated addition on a numbered line

2

Complete the number line for jumps of 2

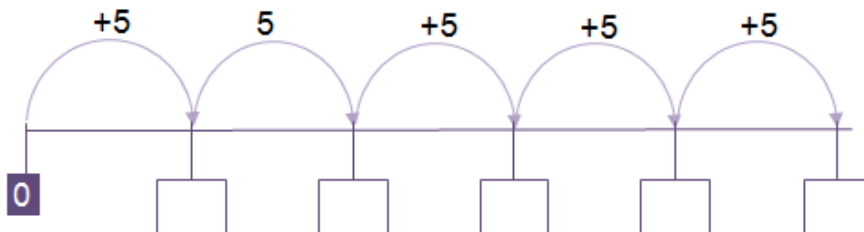


1 mark

Year-1-Multiplication – Repeated addition on a numbered line

3

Complete the number line for jumps of 5

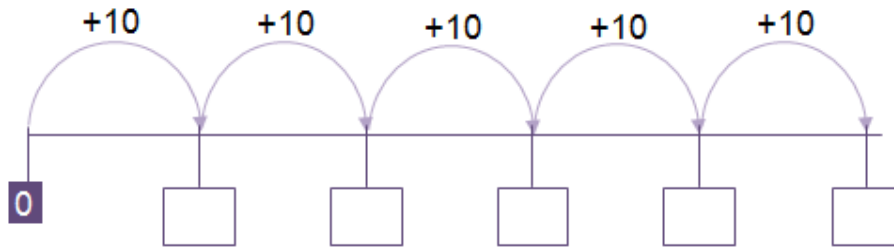


1 mark

Year-1-Multiplication – Repeated addition on a numbered line

4

Complete the number line for jumps of 10



1 mark



Year-1-Multiplication – Repeated addition on a numbered line

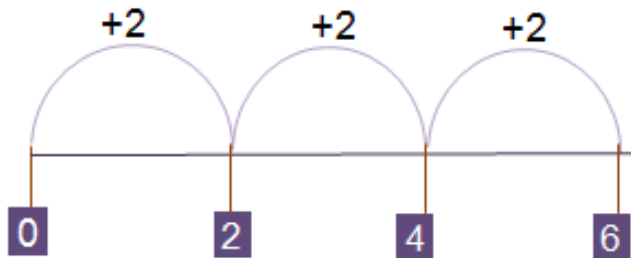
1

A number line for jumps of 2 is shown.



For 3×2 do 3 jumps of 2

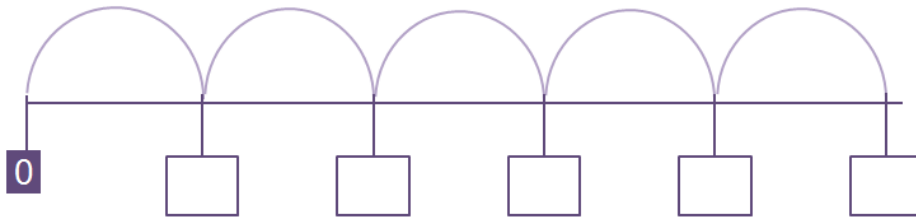
$$3 \times 2 = 2 + 2 + 2 = 6$$



Year-1-Multiplication – Repeated addition on a numbered line

2

Draw a number line for jumps of 2



Use the number line to do

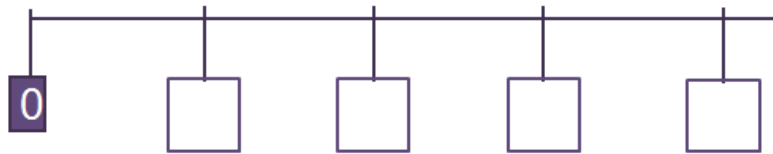
$$5 \times 2 =$$

1 mark

Year-1-Multiplication – Repeated addition on a numbered line

3

Draw a number line for jumps of 5



Use the number line to do

$$4 \times 5 =$$

1 mark

Year-1-Multiplication – Repeated addition on a numbered line

4

Use the number line to do

$$5 \times 5 =$$

1 mark



Year-1-Multiplication – Repeated addition on a numbered line

5

Use the number line to do

$$2 \times 10 =$$

1 mark



Year-1-Multiplication – Repeated addition on a numbered line

6

Use the number line to do

$$6 \times 5 =$$

1 mark



Year-1-Multiplication – Repeated addition on a numbered line

7

Use the number line to do

$$9 \times 2 =$$

1 mark



Year-1-Multiplication – Repeated addition on a numbered line

8

Use the number line to do

$$8 \times 5 =$$

1 mark



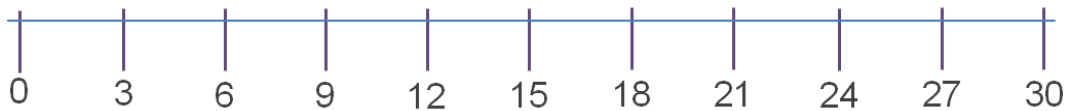
Year-1-Multiplication – Repeated addition on a numbered line

9

Use the number line to do

$$7 \times 3 =$$

1 mark



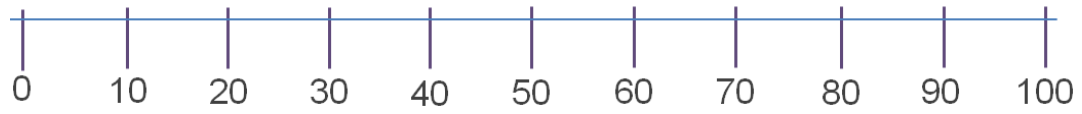
Year-1-Multiplication – Repeated addition on a numbered line

10

Use the number line to do

$$9 \times 10 =$$

1 mark



Year-1-Multiplication – Repeated addition on a numbered line