

Year 2 - Maths - Week 6 - 5 x table, 10 x table, grouping, sharing, odd & even.

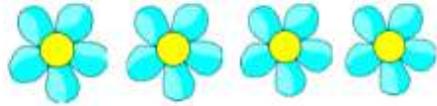


If you have any questions about the work or you would like to send photographs of your work please email them to: year2@stjosephs.greenwich.sch.uk

	Day 1 Activity	Day 2 Activity	Day 3 Activity	Day 4 Activity	Day 5 Activity
10 minutes	Practice on Times Table Rock Stars for 10 minutes a day				
Mathematical talk	How many 5s go into 35? How many tens go into 30? Can you count in 10s to 30? What does greater than mean? What does less than mean? How do you know that you have shared the objects equally?				
Themes	5 x table	10 x table	Sharing	Grouping	Odd & Even
Mental Maths Varied fluency <i>Answers are all below on a table</i>	This small step is focused on the 5 times table and it is important to include the use of zero. Children should see the = sign at both ends of the calculation to understand it means 'equals to' How many petals altogether? Write the calculation.	This small step is focused on the 10 time-table and it is important to include the use of zero. Children should see the = sign at both ends of the calculation to understand what it means. How many crayons are there altogether?	Children divide by sharing objects into equal groups using one-to-one correspondence. They need to do this using concrete manipulatives in different contexts, then move on to pictorial representations. Children will be introduced to the '=' symbol. They will begin to see the link between division and multiplication. Share the 12 cubes equally into two boxes	Children divide by making equal groups. They then count on to find the total number of groups. They need to do this using concrete manipulatives and pictorially in a variety of contexts. They need to recognise the link between division, multiplication and repeated addition. Pencils come in packs of 20. We need to put 5 in each pot. How many pots will we need?	Building on from Year 1, children should be able to recognise odd and even numbers. They will use concrete manipulatives to explore odd and even numbers and the structure of these. Use counters to make each number and share them into two equal groups. How does this help you decide whether a number is odd or even? Show this in the table.
Problem/ activity of the day <i>Full questions and answers are all below</i>	1a) match the picture to the x tables fact. b) draw a picture to show 4x5. 2) complete the number sentences. 3) A sandwich costs £2 a box of crayons costs £5... Watch this clip which will help if you can, click on the link: https://vimeo.com/417922557	1) On sports day Jack runs 10 metres 7 times. 2) Complete the number line. 3) Complete the number sentences. 4) Use counters or pasta to show: a) 3 lots of ? make 30 b) ? lot of 10 make 10 c) 2 lots of ? make 20 https://vimeo.com/420582220	1) Alex has 20 sweets 2) Annie has 12 apples 3) Complete the divisions, use base 10 to help you. https://vimeo.com/420582354	1) You have 30 counters 2) Complete the number sentences 3) Annie has 10 apples https://vimeo.com/417922235	1) True or false 12 is an odd number? 2) Eva uses counters to make the number from 1-10 3) Draw circles to show the groups. Watch this clip which will help if you can, click on the link: https://vimeo.com/420582476

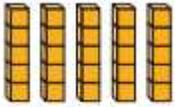
Day 1

How many petals altogether?

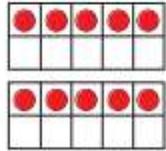


Write the calculation.

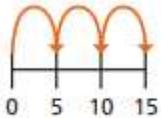
a) Match the picture to the times-table fact.



3×5



2×5



1×5



5×5

b) Draw a picture to show 4×5



A sandwich costs £2 and a box of crayons costs £5



Jack buys 5 sandwiches and 3 boxes of crayons.
How much does he spend in total?

Jack spends £

Complete the number sentences.

a) $5 \times 5 = \square$

f) $\square = 11 \times 5$

b) $\square = 9 \times 5$

g) $5 \times \square = 5$

c) $5 \times 6 = \square$

h) $5 \times 0 = \square$

d) $5 \times \square = 40$

i) $10 = 5 \times \square$

e) $35 = \square \times 5$

j) $\square \times 5 = 60$

Day 2

How many crayons are there altogether?



There are ____ crayons altogether.

____ \times 10 = ____

On sports day, Jack runs 10 metres, 7 times.



Which of these calculations do not describe this word problem?

$10 + 7$

7×10

$7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7$

$10 + 10 + 10 + 10 + 10 + 10 + 10$

Explain why.

Complete the number line.



b) Which times-table does the number line show?

Tick your answer.

10 times-table 5 times-table 1 times-table

How do you know?

Complete the number sentences.

a) $2 \times 10 =$

f) = 10×10

b) = 7×10

g) $10 \times$ = 10

c) $10 \times 4 =$

h) $10 \times 0 =$

d) $10 \times$ = 110

i) $30 = 10 \times$

e) $80 =$ $\times 10$

j) $\times 10 = 90$

Share the 12 cubes equally into the two boxes.

There are ___ cubes altogether.

There are ___ boxes.

There are ___ cubes in each box.



Can you share the 12 cubes equally into 3 boxes?

Alex has 20 sweets and shares them between 5 friends.

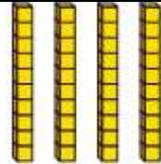


Tommy has 20 sweets and shares them between 10 friends.

Whose friends will receive the most sweets?

How do you know?

Complete the divisions.
Use base 10 to help you.



a) $40 \div 2 =$

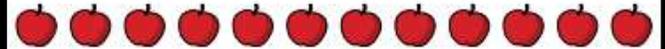
c) $40 \div 5 =$

b) $40 \div 4 =$

d) $40 \div 10 =$

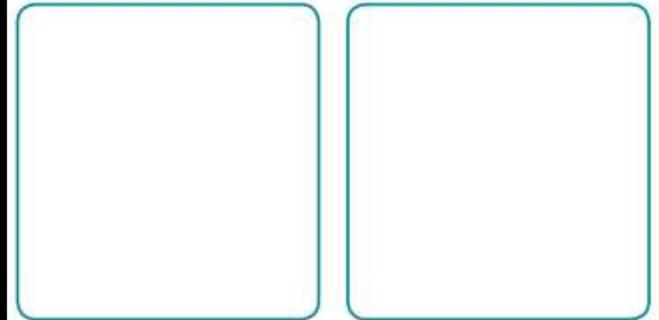
Did you have to make any exchanges?

Annie has 12 apples.



She shares them equally into 2 boxes.

Show how Annie shares the apples equally.



Complete the sentences.

There are 12 apples.

There are boxes.

There are apples in each box.

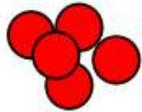
Day 4

Pencils come in packs of 20
We need to put 5 in each pot.
How many pots will we need?

There are ___ pencils altogether.
There are ___ pencils in each pot.
There are ___ pots.



You have 30 counters.

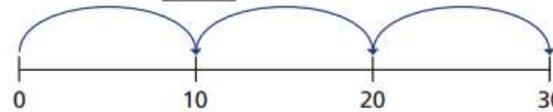


How many different ways can you put
them into equal groups?

Write down all the possible ways.

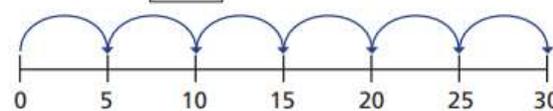
Complete the number sentences.
Use the number line to help you.

a) $30 \div 10 = \square$



30 is made of equal groups of

b) $30 \div 5 = \square$

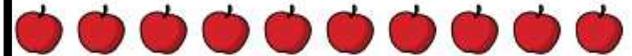


30 is made of equal groups of

c) Investigate other equal groups you could
make with 30



Annie has 10 apples.



Annie has some plates.

She wants to put 2 apples on each plate.

Show how Annie groups the apples.



Complete the sentences.

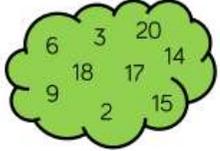
There are apples.

There are apples on each plate.

There are plates.

Day 5

Use counters to make each number and share them into two equal groups. How does this help you decide whether a number is odd or even? Show this in the table.



odd	even

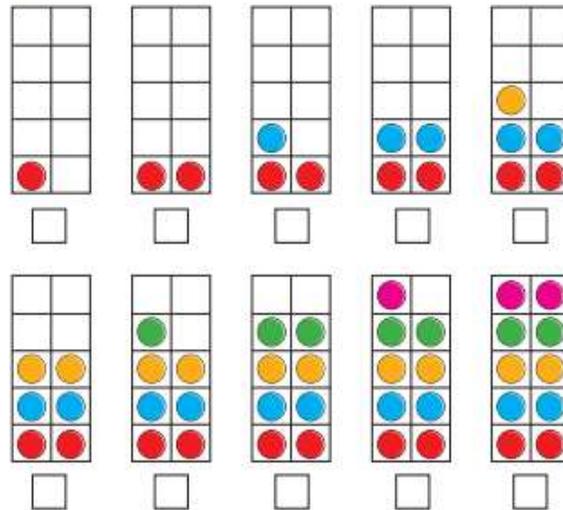
Can you see any patterns?

True or false?

12 is an odd number.

Prove your answer using concrete, pictorial and abstract representations. Explain each approach.

Eva uses counters to make the numbers from 1 to 10.



Tick all the numbers that are even.

What do you notice about all the even numbers?

Draw circles to show the groups.

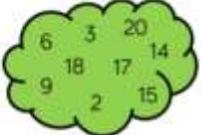
a) Group the shoes in 2s to show that 16 is even.



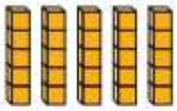
b) Group the socks in 2s to show that 17 is odd.



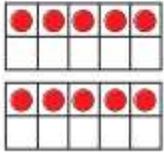
Answers

Day 1	There are 20 petals, $5 \times 4 = 20$				
Day 2	There are 60 crayons altogether, $6 \times 10 = 60$				
Day 3	There are <u>12</u> cubes altogether. There are <u>2</u> boxes. There are <u>6</u> cubes in each box.				
Day 4	Pencils come in packs of 20 We need to put 5 in each pot. How many pots will we need? There are <u>20</u> pencils altogether. There are <u>5</u> pencils in each pot. There are <u>4</u> pots.				
Day 5	<div data-bbox="215 671 981 987" style="border: 1px solid black; padding: 10px;"><p>Use counters to make each number and share them into two equal groups. How does this help you decide whether a number is odd or even? Show this in the table.</p><div style="display: flex; align-items: center; justify-content: center;"><table border="1" style="margin-left: 20px;"><thead><tr><th>odd</th><th>even</th></tr></thead><tbody><tr><td>3, 9, 15, 13,</td><td>2, 6, 14, 18, 20</td></tr></tbody></table></div><p>Can you see any patterns?</p></div>	odd	even	3, 9, 15, 13,	2, 6, 14, 18, 20
odd	even				
3, 9, 15, 13,	2, 6, 14, 18, 20				

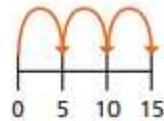
a) Match the picture to the times-table fact.



3×5



2×5



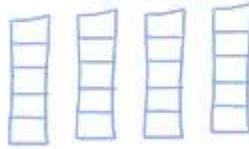
1×5



5×5

b) Draw a picture to show 4×5

Various answers e.g.



A sandwich costs £2 and a box of crayons costs £5



Jack buys 5 sandwiches and 3 boxes of crayons.
How much does he spend in total?

Jack spends £

Complete the number sentences.

a) $5 \times 5 =$

f) $= 11 \times 5$

b) $= 9 \times 5$

g) $5 \times$ $= 5$

c) $5 \times 6 =$

h) $5 \times 0 =$

d) $5 \times$ $= 40$

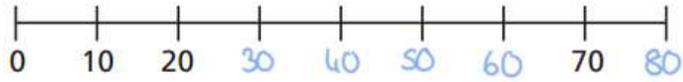
i) $10 = 5 \times$

e) $35 =$ $\times 5$

j) $\times 5 = 60$

Day 2

a) Complete the number line.



b) Which times-table does the number line show?

Tick your answer.

10 times-table 5 times-table 1 times-table

How do you know?

Complete the number sentences.

a) $2 \times 10 = 20$ f) $100 = 10 \times 10$

b) $70 = 7 \times 10$ g) $10 \times 1 = 10$

c) $10 \times 4 = 40$ h) $10 \times 0 = 0$

d) $10 \times 11 = 110$ i) $30 = 10 \times 3$

e) $80 = 8 \times 10$ j) $9 \times 10 = 90$

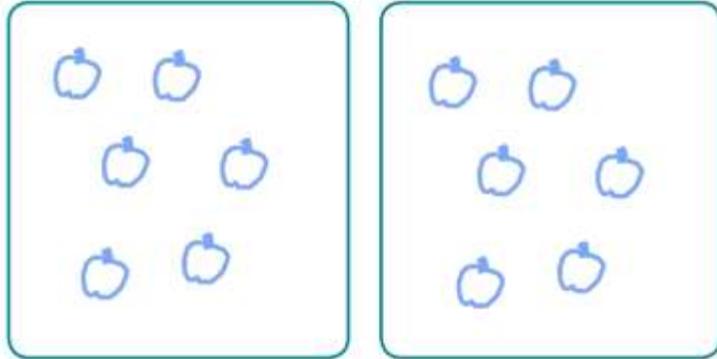
Day 3

Annie has 12 apples.



She shares them equally into 2 boxes.

Show how Annie shares the apples equally.



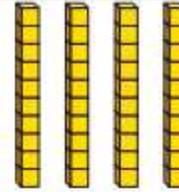
Complete the sentences.

There are 12 apples.

There are boxes.

There are apples in each box.

Complete the divisions.
Use base 10 to help you.



a) $40 \div 2 =$

c) $40 \div 5 =$

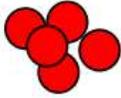
b) $40 \div 4 =$

d) $40 \div 10 =$

Did you have to make any exchanges?

Day 4

You have 30 counters.



- 10 groups of 3
- 3 groups of 10
- 6 groups of 5
- 5 groups of 6
- 2 groups of 15
- 15 groups of 2
- 1 group of 30
- 30 groups of 1

How many different ways can you put them into equal groups?

Write down all the possible ways.

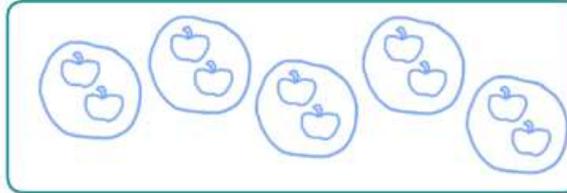
Annie has 10 apples.



Annie has some plates.

She wants to put 2 apples on each plate.

Show how Annie groups the apples.



Complete the sentences.

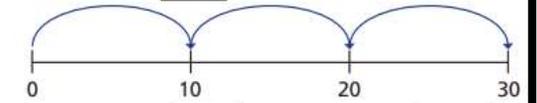
There are apples.

There are apples on each plate.

There are plates.

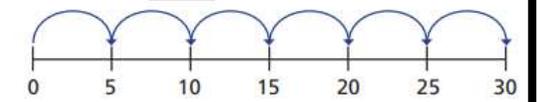
Complete the number sentences.
Use the number line to help you.

a) $30 \div 10 =$



30 is made of equal groups of

b) $30 \div 5 =$



30 is made of equal groups of

c) Investigate other equal groups you could make with 30.



Day 5

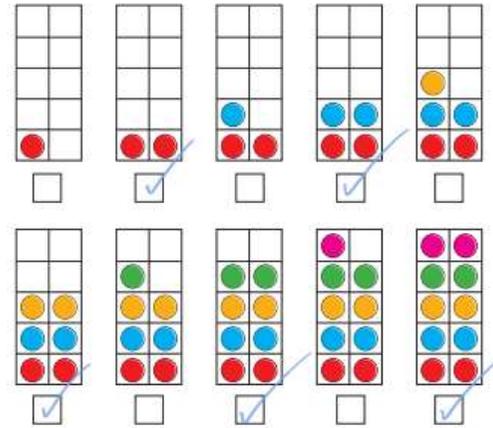
True or false?

12 is an odd number.

Prove your answer using concrete, pictorial and abstract representations. Explain each approach.

Children can use concrete or pictorial methods to show 12 is divisible by 2 and therefore it's false.

Eva uses counters to make the numbers from 1 to 10



Tick all the numbers that are even.

What do you notice about all the even numbers?

Draw circles to show the groups.

a) Group the shoes in 2s to show that 16 is even.



b) Group the socks in 2s to show that 17 is odd.

