# Maths Home Learning

Week Beginning 24th May 2021

This week...

- Day 1 - Division
- Day 2 - Division
- Day 3 - Arithmetic
- Day 4 - Division
- Day 5 - Division

# Day 1

# Remember to sent your home learning to your teacher.

Miss Ackernley 3a@hortongrangeacademy.co.uk

Mrs Batool 3b@hortongrangeacademy.co.uk

Miss Croot 3c@hortongrangeacademy.co.uk

# Day 1

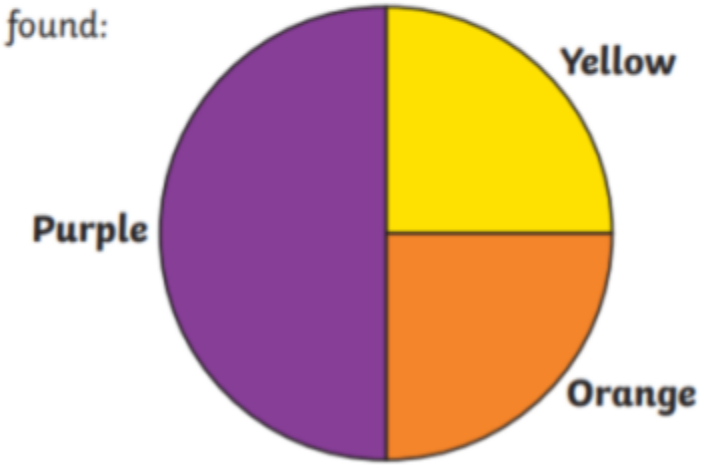
I can interpret and present data using bar charts, pictograms and tables.

**Data Handling Challenge 7**

What type of chart is this?

What colour is the next flower found **most likely** to be?

Flowers found:



# Day 1

$1 \times 12 = 12$
$2 \times 12 = 24$
$3 \times 12 = 36$
$4 \times 12 = 48$
$5 \times 12 = 60$
$6 \times 12 = 72$
$7 \times 12 = 84$
$8 \times 12 = 96$
$9 \times 12 = 108$
$10 \times 12 = 120$
$11 \times 12 = 132$
$12 \times 12 = 144$

# Day 1

## 12 x tables

1) Fill in the gaps below:

| | | | | | |
|---|---|---|---|---|---|
| | 36 | 48 | | | 84 |

2) Sarah says "Because 12 is a multiple of 4, that means any multiples of 12 will also be multiples of 4."

Is Sarah correct? Explain your reasoning.

3) Create a word problem that requires you to use the 12 x table.

4) Harry is buying new table chairs. He buys 6 table chairs at a cost of £12 each. Draw a representation of this below before writing out the calculation and finding the answer.

# Day 1

I understand division as grouping.

Success criteria

On Fire: I can divide by grouping using my knowledge of times tables to help.

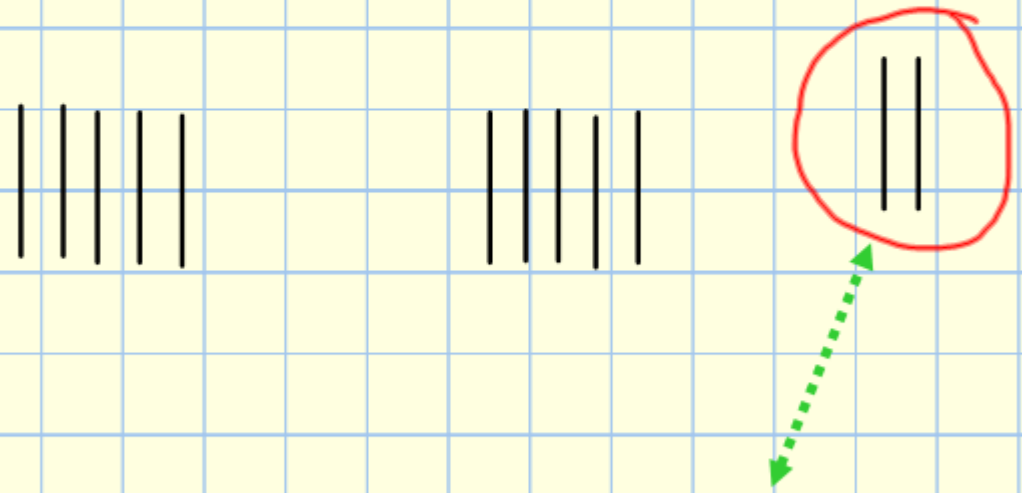
Hotter: I am beginning to divide by grouping using my knowledge of times tables to help me.

Hot: I can share practically and begin to use written methods.

# Day 1

Today we are going to think about when we divide and we can't divide exactly. Look at this example.....

12 divided by 5 = 2 r 2



There are 2 leftover. What do we call these?

# Day 1

35 divided by 4 =

27 divided by 6 =

64 divided by 6 =

# Day 1

**Dumbledore and Hermoine**

67 divided by 7 =
88 divided by 12 =
72 divided by 9 =
88 divided by 12 =
72 divided by 9 =
99 divided by 12 =

**Potter and Weasley**

48 divide by 10 =
55 divided by 6 =
45 divided by 4 =
66 divided by 10 =
55 divided by 4 =
67 divided by 6 =

**Hagrid**

12 divided by 3 =
15 divided by 4 =
22 divided by 5 =
25 divided by 10 =

**Further challenge**

___ divided by 5 = 65
___ divided by 6 = 72
___ divided by 8 = 72

# Day 2

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# Day 2

I can interpret and present data using bar charts, pictograms and tables.

Statistics

It's Getting Hot!

## Pictogram

How many fewer children chose red as their favourite colour as compared with those who chose blue and green?

_____

Three more children are surveyed and they choose blue as their favourite colour. Which colour is the most popular now?

_____

= 2 people

# Day 2

I can interpret and present data using bar charts, pictograms and tables.

**Data Handling Challenge 6**

This is a tally chart showing how pupils in a class get to school.

| Type of Transport | Number Seen |
|---|---|
| Bicycle | 卌 卌 卌 |
| Car | 卌 卌 卌 卌 卌 卌 |
| Train | \|\|\|\| |
| Bus | 卌 卌 \|\|\| |

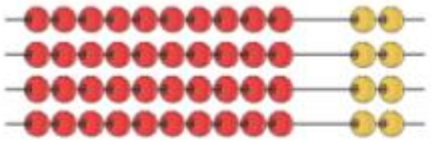
How many people travel by car and bus?

# Day 2

1 x 12 = 12
2 x 12 = 24
3 x 12 = 36
4 x 12 = 48
5 x 12 = 60
6 x 12 = 72
7 x 12 = 84
8 x 12 = 96
9 x 12 = 108
10 x 12 = 120
11 x 12 = 132
12 x 12 = 144

# Day 2

**1)** Complete the sentences and calculation to match the picture.



4 lots of 10 beads = _____

4 lots of 2 beads = _____

4 lots of 12 beads = _____

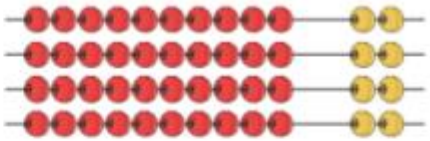
4 × 10 + 4 × 2 = 4 × 12 = _____

**2)** Complete the table.

| Draw It | Describe It | Calculate It |
|---|---|---|
| 10 1<br>10 1<br>10 1 | | |
| | 2 lots of 10 =<br>2 lots of 2 =<br>2 lots of 12 = | |
| | | 6 × 10 + 6 × 1 = 6 × 11 |

**3)** Complete these calculations.


**1)** Complete the sentences and calculation to match the picture.



4 lots of 10 beads = _____

4 lots of 2 beads = _____

4 lots of 12 beads = _____

4 × 10 + 4 × 2 = 4 × 12 = _____

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| 10 1<br>10 1<br>10 1 | | |
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**3)** Complete these calculations.

# Day 2

I understand division as grouping.

**Success criteria**

**On Fire:** I can divide by grouping using my knowledge of times tables to help.

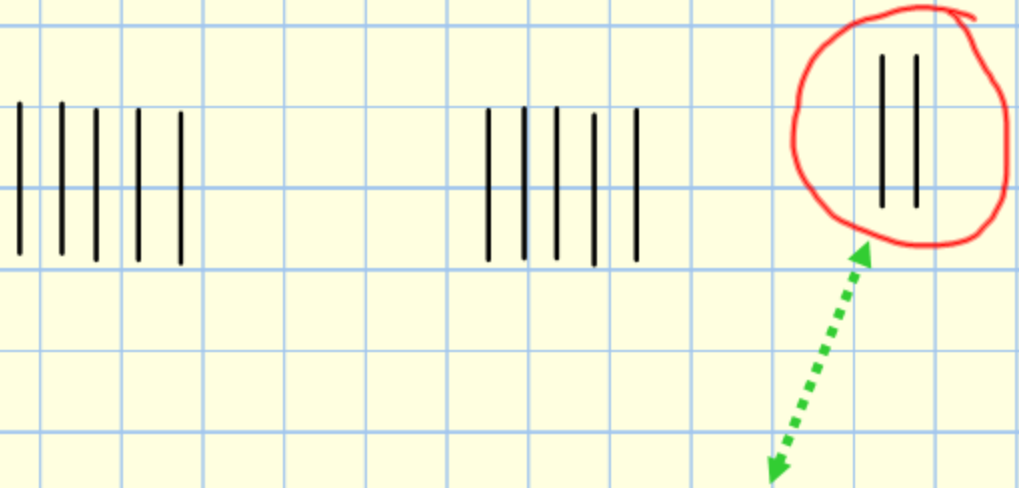
**Hotter:** I am beginning to divide by grouping using my knowledge of times tables to help me.

**Hot:** I can share practically and begin to use written methods.

# Day 2

Today we are going to think about when we divide and we can't divide exactly. Look at this example.....

12 divided by 5 = 2 r 2



There are 2 leftover. What do we call these?

# Day 2

47 divided by 4 =

76 divided by 6 =

49 divided by 6 =

# Day 2

**Dumbledore and Hermoine**

98 divided by 9 =
88 divided by 10 =
102 divided by 12 =
144 divided by 13 =
132 divided by 15 =

**Potter and Weasley**

67 divided by 6 =
55 divided by 6 =
59 divided by 5 =
62 divided by 7 =
88 divide by 6 =

**Hagrid**

25 divided by 4 =
21 divided by 3 =
34 divided by 5 =
35 divided by 3 =

**Further Challenge**

I am thinking of a number, I multiply it by 5 and the answer is 35. What number was I thinking of?

I am thinking of a number. I multiply it by 6 and the number is 36. What number was I thinking of?

# Day 3

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# Day 3

I can solve arithmetic questions.

**Success Criteria**

On fire: I can use all my mathematical skills to answer questions at a Year 3 level.

Hotter: I can use my mathematical skills to answer questions and am beginning to work at a year 3 level.

Hot: I can begin to answer arithmetical questions at my level.

Day 3

**24** $\frac{1}{8}$ of 40 =

1 mark

Day 3

**14** $\frac{1}{2}$ of 26 =

1 mark

Day 3

**21** $\frac{1}{3}$ of 36 =

1 mark

Day 3

**6** $\frac{4}{7} + \frac{2}{7} =$

1 mark

# Day 3

**9** $\frac{4}{5} - \frac{1}{5} =$

1 mark

# Day 3

**26** $\frac{2}{5}$ of 15 =

1 mark

Day 3

**28** $\frac{3}{4}$ of 28 =

1 mark

# Day 4

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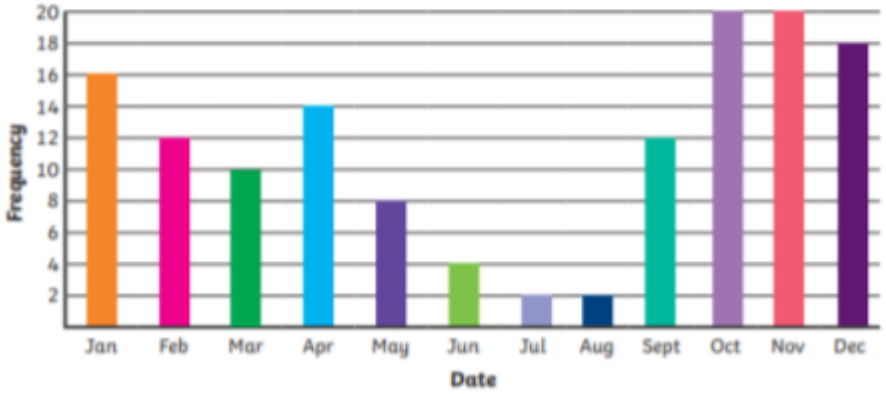
# Day 4

I can interpret and present data using bar charts, pictograms and tables.

**Data Handling Challenge 8**

This shows how many people visited a skiing chalet throughout the year.

How many people visited **altogether** in the **2 busiest months**?

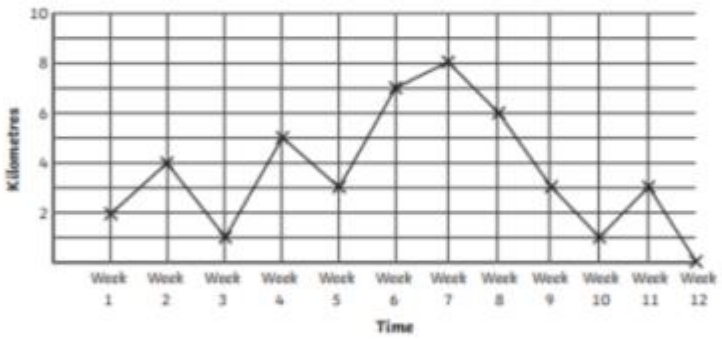


# Day 4

I can interpret and present data using bar charts, pictograms and tables.

**Data Handling Challenge 5**

This is a graph showing the kilometres travelled over a period of time while riding a bike.



What is the difference between the distance most travelled and the distance least travelled?

# Day 4

1 x 12 = 12
2 x 12 = 24
3 x 12 = 36
4 x 12 = 48
5 x 12 = 60
6 x 12 = 72
7 x 12 = 84
8 x 12 = 96
9 x 12 = 108
10 x 12 = 120
11 x 12 = 132
12 x 12 = 144

Write out your 12 times tables starting 12 x 12 working backwards.

# Day 4

I understand division as grouping.

**Success criteria**

**On Fire:** I can divide by grouping using my knowledge of times tables to help.

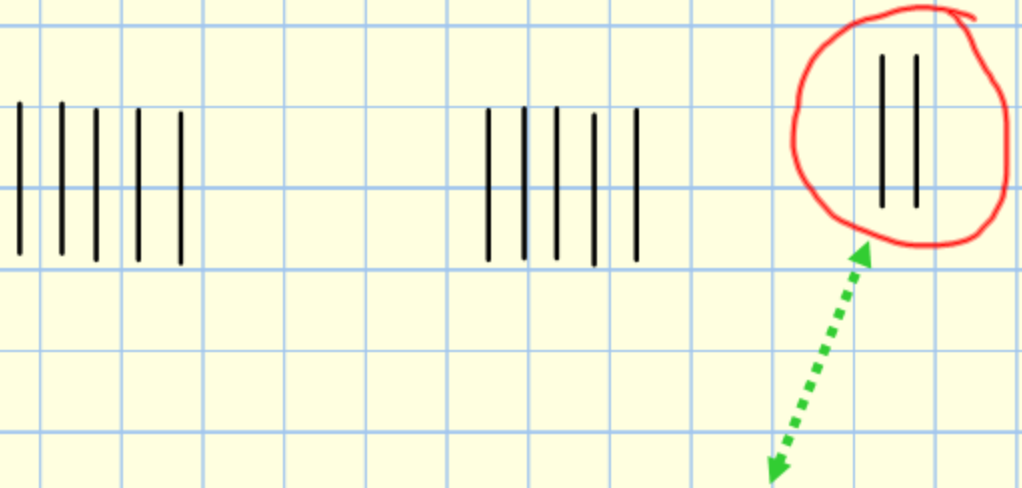
**Hotter:** I am beginning to divide by grouping using my knowledge of times tables to help me.

**Hot:** I can share practically and begin to use written methods.

# Day 4

Today we are going to think about when we divide and we can't divide exactly. Look at this example.....

12 divided by 5 = 2 r 2



There are 2 leftover. What do we call these?

# Day 4

132 divided by _____ = 12

285 divided by _____ = 15

# Day 4

67 divided by 7 =
55 divided by 8 =
78 divided by 6 =
66 divided by 8 =
77 divided by 6 =
34 divided by 5 =

# Day 5

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# Day 5

I can interpret and present data using bar charts, pictograms and tables.

Statistics

Nice and Spicy!

## Pictogram

How many children chose yellow and pink?

_____

How many more children chose red as their favourite colour as compared with those who chose green?

_____

= 2 people

# Day 5

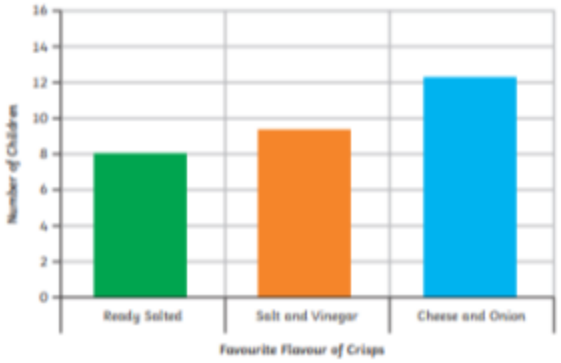
I can interpret and present data using bar charts, pictograms and tables.

Statistics

Nice and Spicy!

## Bar Charts

Bar charts use a bar on a scale to represent data.




What is the total number of children surveyed?

What is the difference in the number of children who chose the ready salted and salt and vinegar?

# Day 5

1 x 12 = 12
2 x 12 = 24
3 x 12 = 36
4 x 12 = 48
5 x 12 = 60
6 x 12 = 72
7 x 12 = 84
8 x 12 = 96
9 x 12 = 108
10 x 12 = 120
11 x 12 = 132
12 x 12 = 144

# Day 5

Answer the missing numbers.

1 x 12 = 12
2 x 12 =
3 x 12 =
4 x 12 = 48
5 x 12 =
6 x 12 =
7 x 12 = 84
8 x 12 =
9 x 12 = 108
10 x 12 =
11 x 12 =
12 x 12 = 144