

Topaz Class Home Learning Book      2019 - 2020

- Please hand in this book on, or before, Monday mornings ready for Mrs Legg to mark and respond.
- We will endeavour to send new home learning home on a Tuesday wherever possible, however it will definitely be sent home on a Wednesday. This gives us time to follow up any misconceptions or challenges that arise (if needed).
- There will be a maths key skills focus for this home learning book. Sometimes there will also be a link to our topic learning too.
- Please make sure that your child completes their home learning in pencil.
- Wherever possible, please try and at least have a quick check of the weekly home learning on a Wednesday or Thursday, even if your child normally completes it over the weekend.  
If there is anything that is unclear, or that your child is unsure of, please let a member of staff know before Friday so that we can help. Remember, all Topaz home learning & spellings are uploaded to the school website on a Wednesday evening too, along with an optional online challenge.
- At the bottom of each home learning sheet is a box for any comments IF you should wish to add them. Please do not feel obliged to if you don't have time!
- Finally, Spellings will be sent home on a Monday and **tested the following Monday**.  
Depending on our Word Mechanics lessons that week, your child may just have a few key spellings to learn, or they may have 10 words to help them practice a particular spelling pattern. Please do not be concerned if the number of spellings they have to learn changes each week, as this will be the same for everybody.
- Your child does not need to return their spelling practice sheet to school and we will do our best to stick their spelling test slip into this home learning book each week so you can see how they got on.

Thank you so much for supporting your child's learning at home,

Mrs Legg

Parent Signature

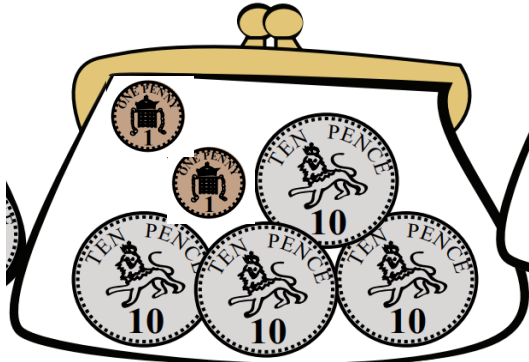
# Topaz Class Home Learning \*

## Hand in Monday 13th January 2020

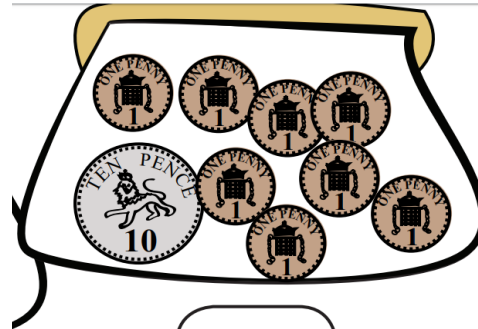
Pupil Self Assessment: I found this home learning...



- Place Value of 2 digit numbers



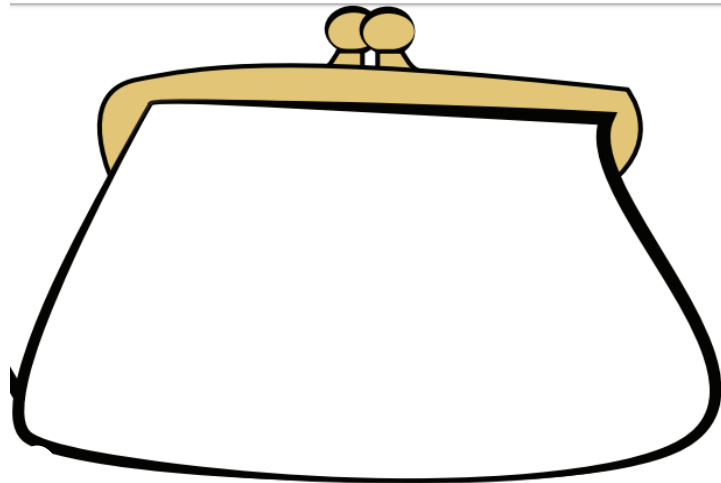
p



p

Count the tens, then the ones to find the total in each purse and write the answers in the boxes.

Now, can you draw the right number of ten pence coins and one pence coins to make 34p in the last purse?



**34p**

Parent /Carer Comments:

**Want to try a challenge?** Play this Toy Shop Money Game and select 'Mixed Coins,' then 'Exact Money up to £1.'  
<https://www.topmarks.co.uk/money/toy-shop-money> The link can also be found on the school website.

# Topaz Class Home Learning \*\*

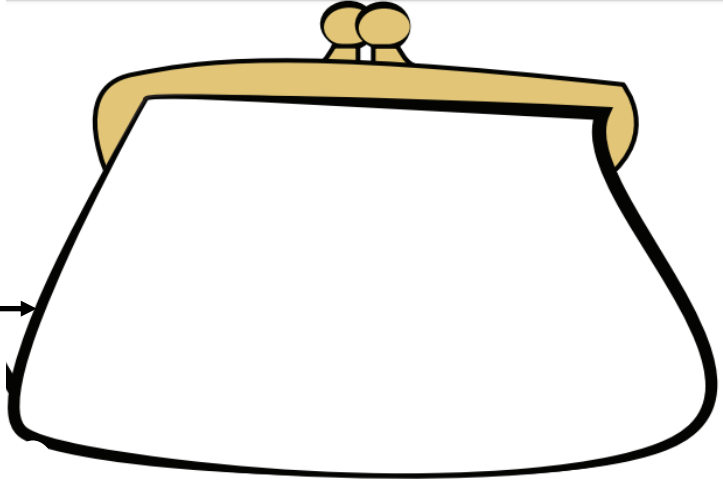
## Hand in Monday 13th January 2020

Pupil Self Assessment: I found this home learning...



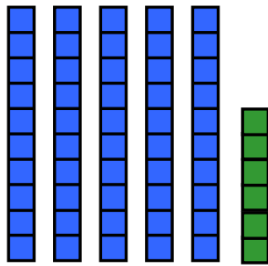
Place Value of 2 digit numbers

Can you draw the right number of ten pence coins and one pence coins to make 65p in this purse?



65p

Complete these additions.



$$56 = 50 + \square$$

(Draw your own tens and ones rods)

$$43 = 40 + \square$$

98

8

What is the value of the underlined digit?

72

47

?

7

Parent /Carer Comments:

**Want to try a challenge?** Play this Toy Shop Money Game and select 'Mixed Coins.'

<https://www.topmarks.co.uk/money/toy-shop-money> The link can also be found on the school website.

# Topaz Class Home Learning \*

## Hand in Monday 20th January 2020

Pupil Self Assessment: I found this home learning...



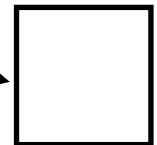
### Multiplication and Arrays

In class, we have been learning to draw and recognise arrays.  
These are visual representations of multiplication and division problems.

For example....



could be drawn to help solve  $6 \times 2 = ?$



**Home Learning Task:** Which three cards should go together?  
Write the letter A, B or C on each card below to make three matching sets.

$2 \times 2$

A



$5$   
 $5$   
 $+5$

$3 \times 5$

B



$2$   
 $2$   
 $2$   
 $2$   
 $2$   
 $2$   
 $2$   
 $+2$

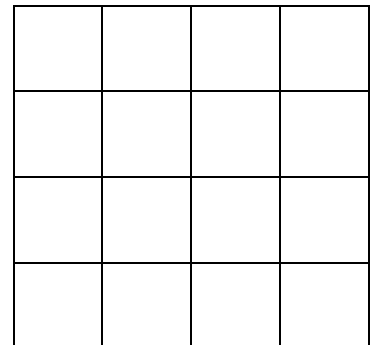
$8 \times 2$

C



$2$   
 $+2$

Use this grid to draw an array to match  $2 \times 4$  ...



$2 \times 4 = \underline{\quad}$

and

$\underline{\quad} \div 4 = 2$

Parent /Carer Comments:

Want to try a challenge? Play this Arrays Game online....

<http://www.scottle.edu.au/ec/viewing/L106/index.html#>

(link can be found on our school website under 'Home Learning'.)


# Topaz Class Home Learning \*\*

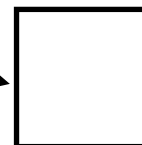
## Hand in Monday 20th January 2020

Pupil Self Assessment: I found this home learning...   

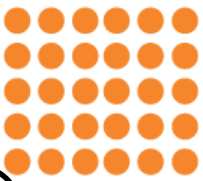


### Multiplication and Arrays

In class, we have been learning to draw and recognise arrays.  
These are visual representations of multiplication and division problems.

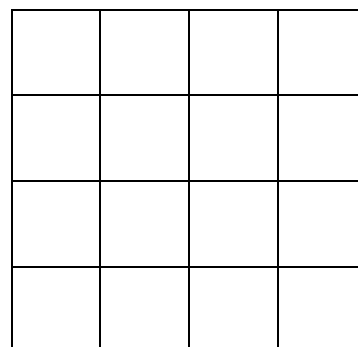
For example....  could be drawn to help solve  $6 \times 2 = ?$



**Home Learning Task:** Which three cards should go together?  
Write the letter A, B or C on each card below to make three matching sets.

<b>A</b>	$5 \times 5$		$\begin{array}{c} 5 \\ 5 \\ +5 \end{array}$
<b>B</b>	$3 \times 5$		$\begin{array}{c} 5 \\ 5 \\ 5 \\ 5 \\ +5 \end{array}$
<b>C</b>	$6 \times 5$		$\begin{array}{c} 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ +5 \end{array}$

Use this grid to draw an array to match  $3 \times 4$  ...



$$3 \times 4 = \underline{\quad}$$

and

$$\underline{\quad} \div 4 = 3$$

Parent /Carer Comments:

# Topaz Class Home Learning \*

## Hand in Monday 27th January 2020

Pupil Self Assessment: I found this home learning...



Multiplication

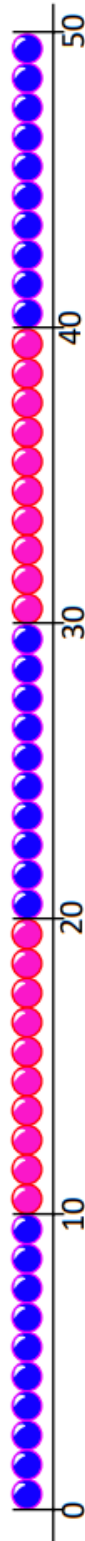
### Counting in 5s

Sheet 2

Draw the following jumps on the number lines:

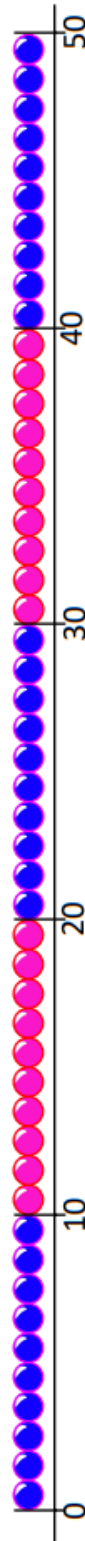
3 lots of 5

$3 \times 5 =$



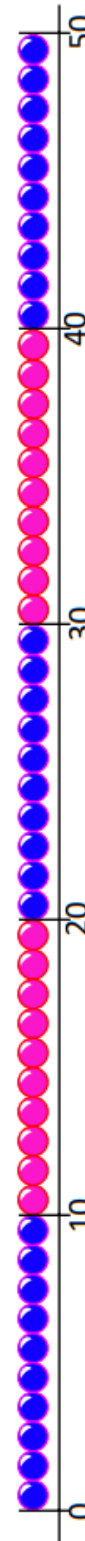
8 lots of 5

$8 \times 5 =$



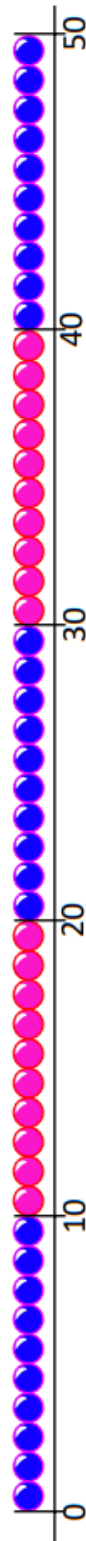
7 lots of 5

$\square \times \square =$



9 lots of 5

$\square \times \square =$



Parent /Carer Comments:

Want to try a challenge? Go to this game and choose 'x5.'

<https://www.topmarks.co.uk/times-tables/coconut-multiples> What do you notice about the

last digit of all of the numbers in the 5 times table? Can you spot all the multiples of 5?

(This link can be found on our school website under 'Home Learning'.)

# Topaz Class Home Learning \*\*

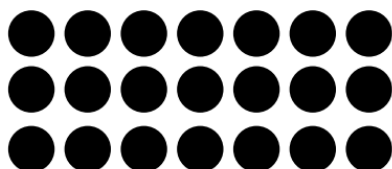
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Pupil Self Assessment: I found this home learning...

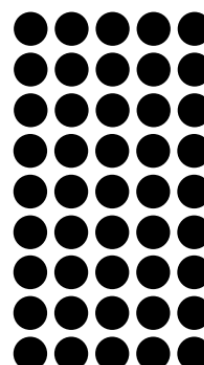
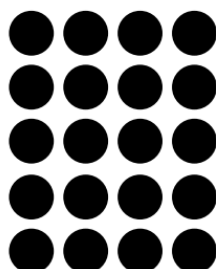


### Multiplication and Division

Write all of the multiplication and division facts for these arrays:



	X		=	
	X		=	
	÷		=	
	÷		=	





Parent /Carer Comments:

**Want to try a challenge?** Go to this game and choose 'x5.'

<https://www.topmarks.co.uk/times-tables/coconut-multiples> What do you notice about the last digit of all of the numbers in the 5 times table? Can you spot all the multiples of 5? Now try x3!  
(This link can be found on our school website under 'Home Learning.')

# Topaz Class Home Learning \*


## Hand in Monday 3rd February 2020

Pupil Self Assessment: I found this home learning...

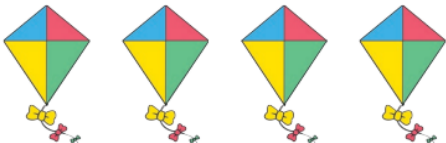


Finding One Quarter:


Quarter of **8** is **2**

**8** sweets   $\frac{1}{4}$  of **8** = **2**

Quarter of  is

kites   $\frac{1}{4}$  of  =

Quarter of  is

cats   $\frac{1}{4}$  of  =

Now try these:

Draw 4 stars then find a quarter.

Draw 16 flowers then find a quarter.

$$\frac{1}{4} \text{ of } 4 = \square \quad \text{Quarter of } 4 \text{ is } \square$$

$$\frac{1}{4} \text{ of } 16 = \square \quad \text{Quarter of } 16 \text{ is } \square$$

Parent /Carer Comments:

Want to try a challenge?

<http://resources.hwb.wales.gov.uk/VTC/ngfl/ngfl-flash/fractions/fractions.html>

(This link can be found on our school website under 'Home Learning.')



# Topaz Class Home Learning \*\*

Hand in Monday 3rd February 2020

Pupil Self Assessment: I found this home learning...



Find three quarters of these amounts. The first one has been done for you.

**8**  
sweets



One quarter of **8** is **2**.

$$\frac{1}{4} \text{ of } 8 = 2$$

Three quarters is three lots of **2**.

$$3 \times \boxed{2} = \boxed{6}$$

Three quarters of **8** is **6**.

$$\frac{3}{4} \text{ of } \boxed{8} = \boxed{6}$$

**12**

bees



One quarter of **12** is **3**.

$$\frac{1}{4} \text{ of } 12 = 3$$

Three quarters is three lots of .

$$3 \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Three quarters of  is .

$$\frac{3}{4} \text{ of } \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

**4**

dogs



Three quarters is three lots of .

$$3 \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Three quarters of  is .

$$\frac{3}{4} \text{ of } \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

**20**

stars



Three quarters is three lots of .

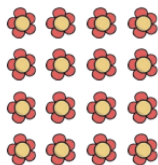
$$3 \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Three quarters of  is .

$$\frac{3}{4} \text{ of } \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

**16**

flowers



Three quarters is three lots of .

$$3 \times \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Three quarters of  is .

$$\frac{3}{4} \text{ of } \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

Helpful hint.... Remember, you can draw rings around the pictures to split them into quarters, then counting how many you have in **three** of the rings.

Parent /Carer Comments:

Want to try a challenge?

<http://resources.hwb.wales.gov.uk/VTC/ngfl/ngfl-flash/fractions/fractions.html>

(This link can be found on our school website under 'Home Learning.')







## Topaz Class Home Learning \*

Hand in Monday 10th February 2020



Pupil Self Assessment: I found this home learning...

We have been naming 3D shapes and finding examples in school. With the help of an adult, investigate the 3D shapes you find at home and record your findings by drawing or writing in the table below.

Cubes 	
Cuboids 	
Spheres 	
Cones 	
Cylinders 	
Square-based pyramids 	

Parent /Carer Comments:

**Want to try a challenge?** We have also been learning about symmetry this week!

<https://www.topmarks.co.uk/symmetry/symmetry-matching>

(This link can be found on our school website under 'Home Learning.')







## Topaz Class Home Learning \*\*

Hand in Monday 10th February 2020



Pupil Self Assessment: I found this home learning...

We have been naming 3D shapes and finding examples in school. With the help of an adult, investigate the 3D shapes you find at home and record your findings by drawing or writing in the table below.

Spheres 	
Cones 	
Cylinders 	
Square-based pyramids 	
Triangular prisms 	
Tetrahedrons 	

Which shapes were easy to find? \_\_\_\_\_

Which shapes were harder to find? \_\_\_\_\_

Parent /Carer Comments:

**Want to try a challenge?** We have also been learning about symmetry this week!

<https://www.topmarks.co.uk/symmetry/symmetry-matching>

(This link can be found on our school website under 'Home Learning.')

# Topaz Class Home Learning

## February Half Term - Choose a Challenge!

To finish off our 'Ice' topic, choose **at least one** of the challenges from the grid below. You can either record your learning in your red book, or you can create something else to bring in and share with the class.

### Get Creative

Create a piece of 2D or 3D artwork linked to our Ice topic. It could be a model of an animal, an icy scene, a model of the Ice Hotel, a picture or model of Ernest Shackleton's ship, 'Endurance' or anything else you can think of!

Read more about Shackleton here: <https://www.ictgames.com/mobilePage/victorians/index.html>  
(Choose the last picture.)



### Icy Animals

Pick an Arctic or Antarctic animal and create a fact file about it! This could be written on the next page, created on the computer and emailed to

[office@bishopscaundle.dorset.sch.uk](mailto:office@bishopscaundle.dorset.sch.uk), or you could even make your own mini book to bring in. (Please remember to use Safe Search Kids when you are looking for pictures to help with your project!)

### Sticky Ice

Try this brilliant ice experiment at home. All you need is salt, water, ice and string!

<https://www.playdoughtoplato.com/sticky-ice-science-exp/>

Take some photos and stick them in your book or email them to...

[office@bishopscaundle.dorset.sch.uk](mailto:office@bishopscaundle.dorset.sch.uk)

### Build an Igloo!

Use anything you can find to build a den that looks like an igloo! Boxes, milk cartons, tables, chairs, pillows, blankets, white sheets... Be creative!

Take some photos and stick them in your book or email them to...

[office@bishopscaundle.dorset.sch.uk](mailto:office@bishopscaundle.dorset.sch.uk)



Read the e-book, 'Ice Crystal Robbery' for free on the Oxford Owl website.

Write a book review - did you enjoy the book?

Why/why not?

Do the characters remind you of any other stories that you have read before?

If you had a jar of ice crystals, what would you use them for?

<https://www.oxfordowl.co.uk/api/interactives/26348.html>



Remember, all web links can be found in the Home Learning section of our school website.

Parent /Carer Comments:

# Topaz Class Home Learning \*

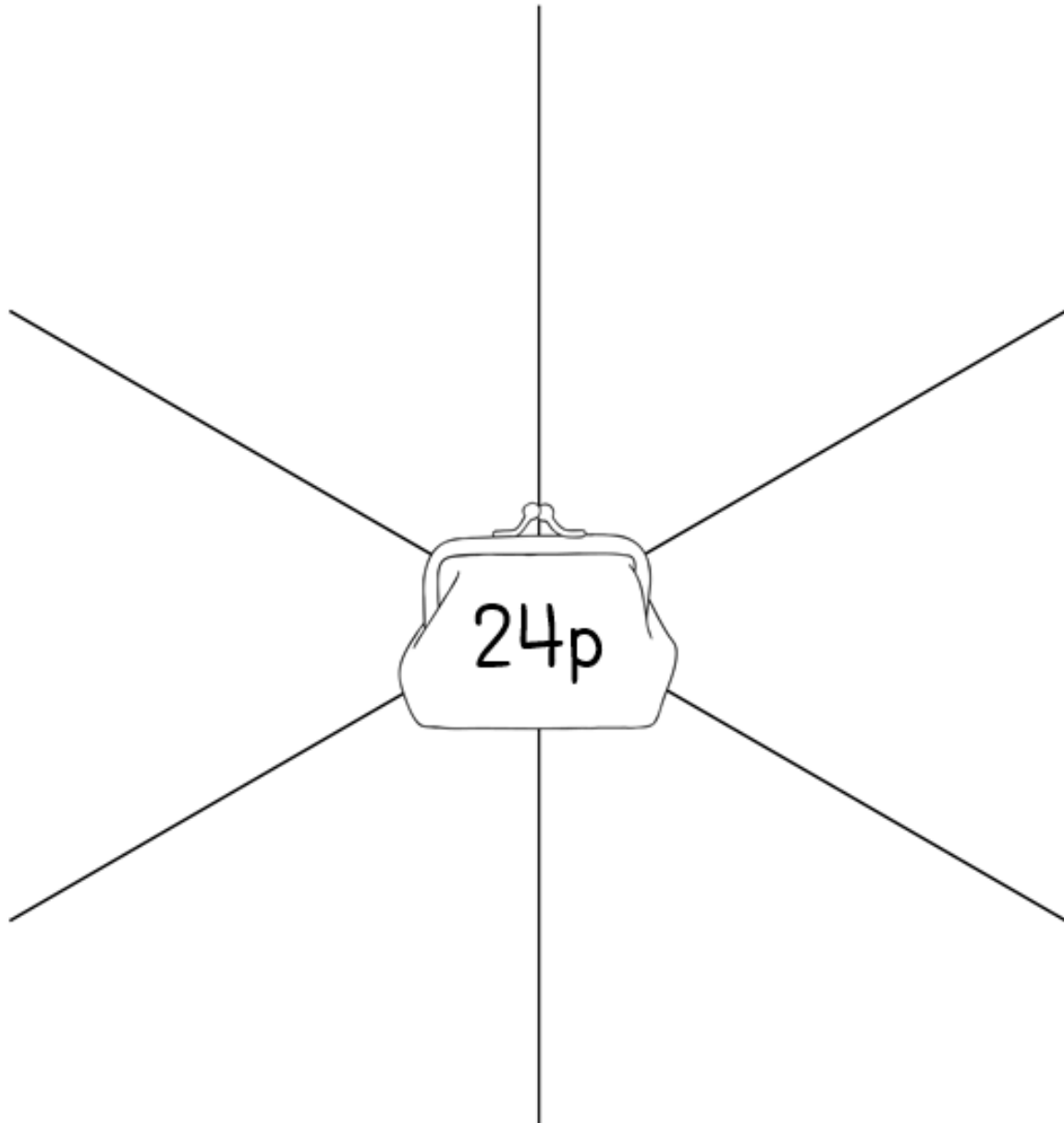
## Hand in Monday 2nd March 2020

Pupil Self Assessment: I found this home learning...



### Making Totals using Coins

Can you find different ways to make the same amount as the money in the purse?



Use real coins to help you, or download and cut out the coins help sheet from the Home Learning section of the website.

Parent /Carer Comments:

**Want to try a challenge?** Click on the full screen icon and choose a level!

<https://www.ictgames.com/mobilePage/customCars/index.html>

(This link can be found on our school website under 'Home Learning.')

# Topaz Class Home Learning \*\*

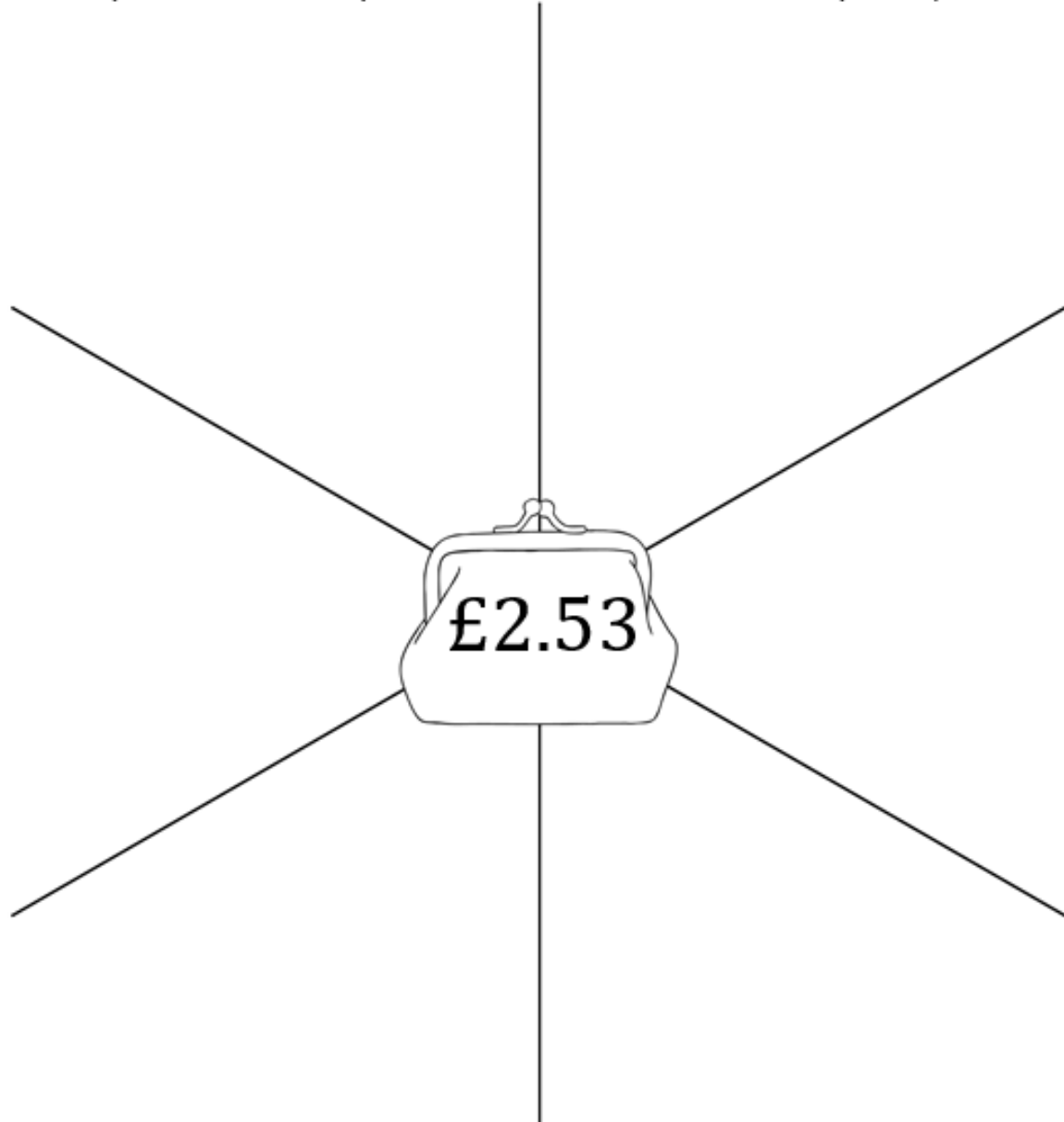
## Hand in Monday 2nd March 2020

Pupil Self Assessment: I found this home learning...



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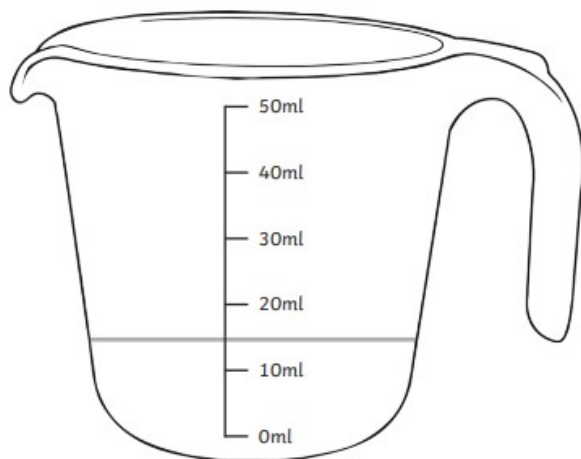
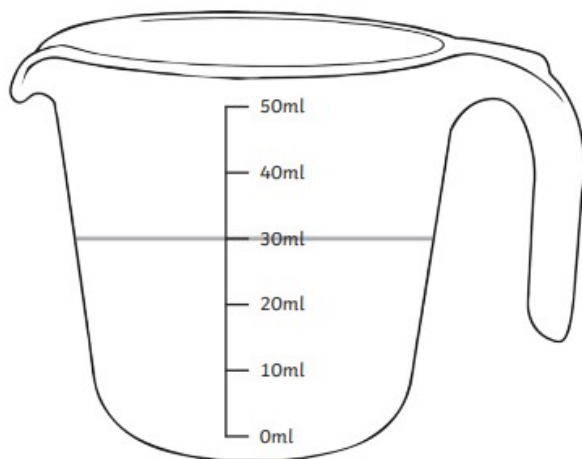
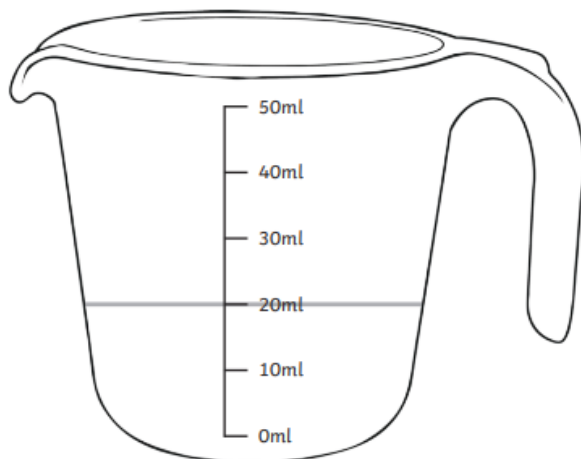
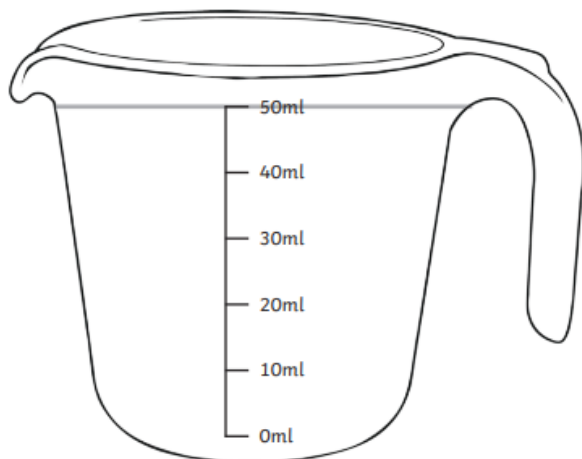
## Hand in Monday 9th March 2020

Pupil Self Assessment: I found this home learning...



### Capacity - Reading Scales

Write how much liquid is in each jug.



Parent /Carer Comments:

**Want to try a challenge?** Click on the full screen icon and choose a level!

<https://www.ictgames.com/mobilePage/capacity/index.html>

(This link can be found on our school website under 'Home Learning.')

# Topaz Class Home Learning \*\*

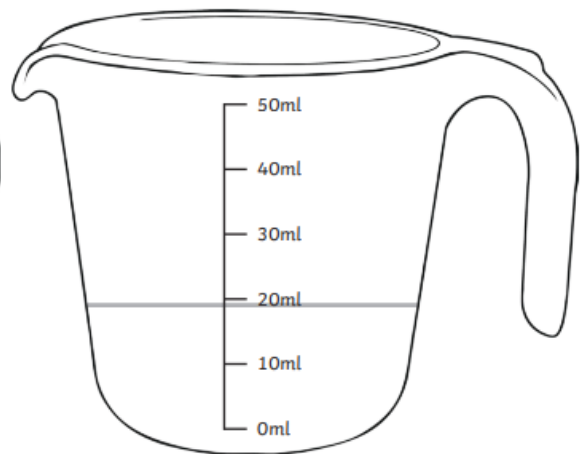
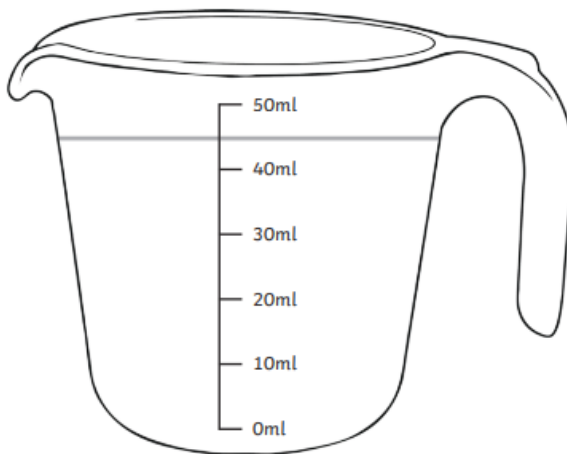
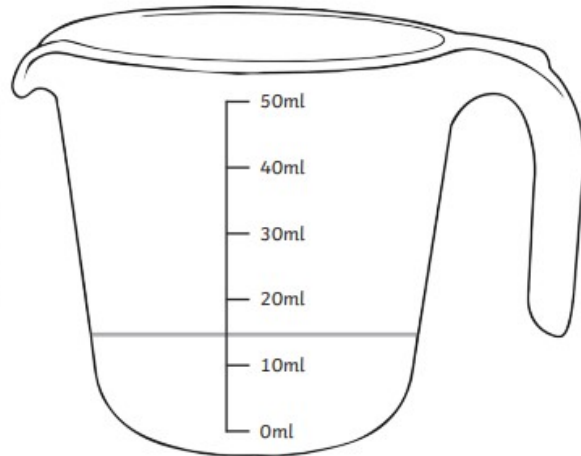
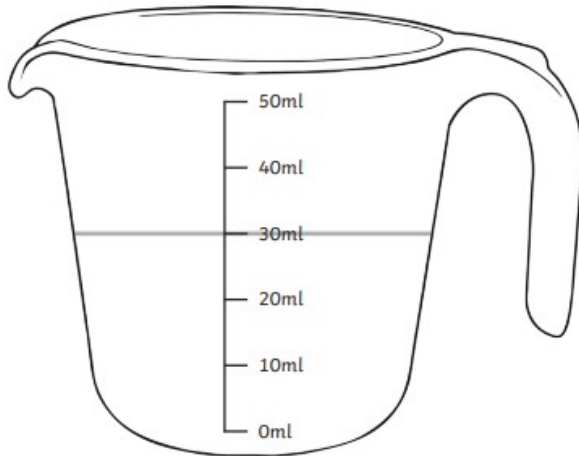
## Hand in Monday 9th March 2020

Pupil Self Assessment: I found this home learning...



### Capacity - Reading Scales

Write how much liquid is in each jug.



Parent /Carer Comments:

**Want to try a challenge?** Click on the full screen icon and choose a level!

<https://www.ictgames.com/mobilePage/capacity/index.html>

(This link can be found on our school website under 'Home Learning'.)



# Topaz Class Home Learning \*

## Hand in Monday 16th March 2020

Pupil Self Assessment: I found this home learning...



Adding 2-digit numbers

$$20 + 14 = ?$$

$$20 + 10 = \square + 4 = \square$$

$$30 + 12 = ?$$

$$30 + \square = \square + 2 = \square$$

$$60 + 19 = ?$$

$$\square + \square = \square + \square = \square$$

Remember that there is a 100 square in the back of your book if you need it!

Parent /Carer Comments:

Want to try a challenge? Click on the full screen icon and choose a level!

<https://www.topmarks.co.uk/maths-games/subtraction-grids>

(This link can be found on our school website under 'Home Learning.')

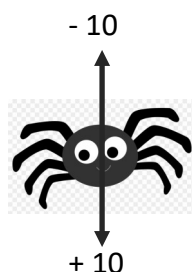
# Topaz Class Home Learning \*\*

## Hand in Monday 16th March 2020

Pupil Self Assessment: I found this home learning...

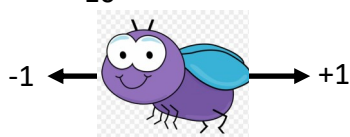


Add and Subtract 2-digit numbers



The Spider and the Fly are back to help us solve maths problems!

The spider moves up and down the 100 square, counting in 10s.  
The fly moves side to side on the 100 square, counting in 1s.



Solve these sums. Make sure you check whether it is an addition or subtraction each time!

$$28 + 14 =$$

$$59 - 24 =$$

$$74 - 21 =$$

$$39 + 15 =$$

$$88 - 33 =$$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Parent /Carer Comments:

Want to try a challenge? Click on the full screen icon and choose a level!

<https://www.topmarks.co.uk/maths-games/subtraction-grids>

(This link can be found on our school website under 'Home Learning.')

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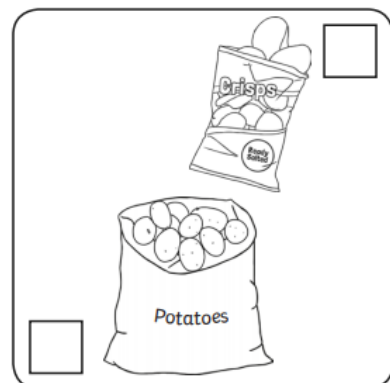
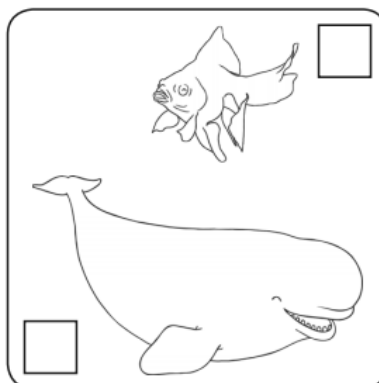
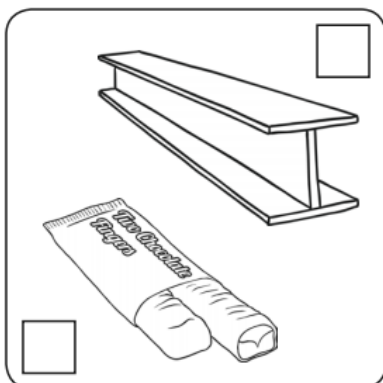
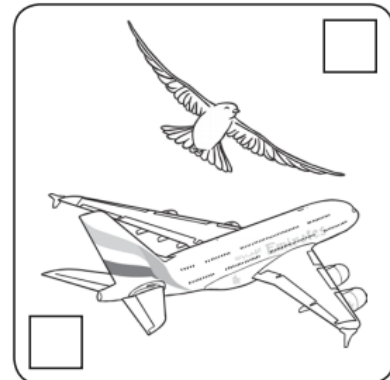
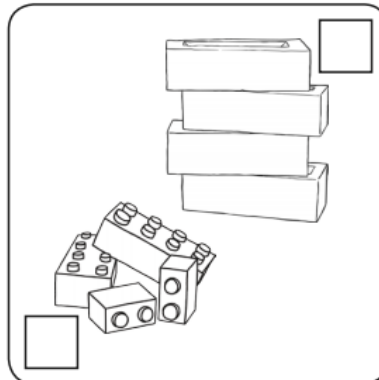
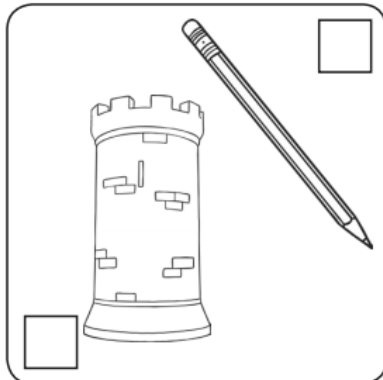
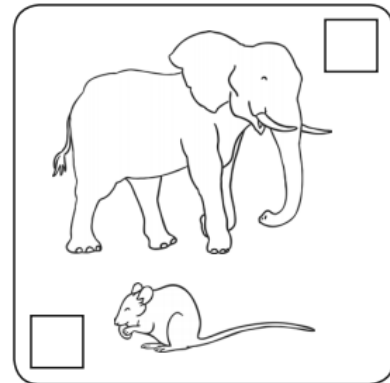
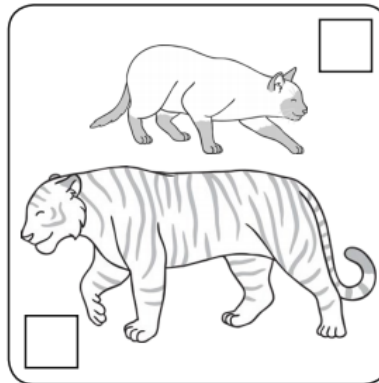
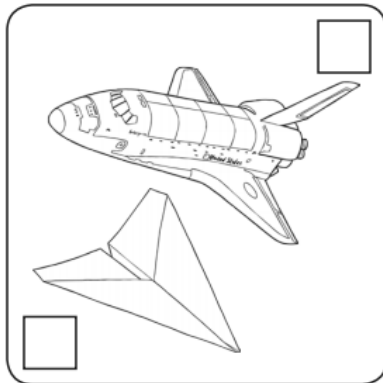
## Hand in Monday 23rd March 2020

Pupil Self Assessment: I found this home learning...



Weight

Tick the object which is heaviest.



Parent /Carer Comments:

**Want to try a challenge?** Click on the full screen icon and choose a level!

<https://www.ictgames.com/mobilePage/mostlyPostie/index.html>

(This link can be found on our school website under 'Home Learning.')

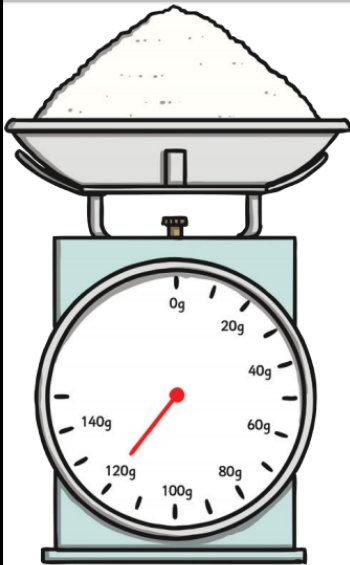
# Topaz Class Home Learning \*\*

## Hand in Monday 23rd March 2020

Pupil Self Assessment: I found this home learning...

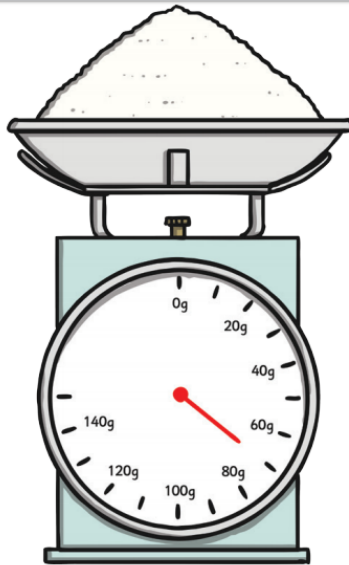


Weight



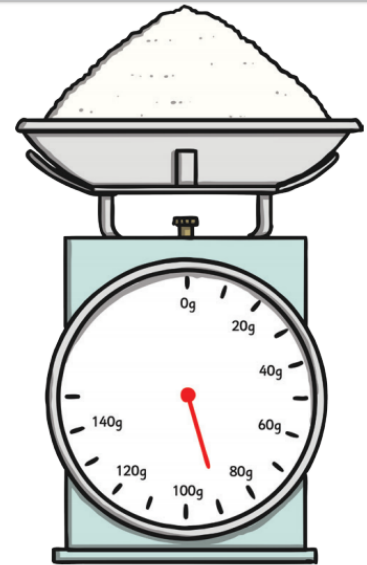
Carl

g



Aneesa

g



Amelia

g

How much more flour does Amelia have than Aneesa? Show your working out here:

g

Parent /Carer Comments:

**Want to try a challenge?** Click on the full screen icon and choose a level!

<https://www.ictgames.com/mobilePage/mostlyPostie/index.html>

(This link can be found on our school website under 'Home Learning.')

# Topaz Class Home Learning

## Hand in Monday 30th March 2020

Pupil Self Assessment: I found this home learning...



Book Week

Parent /Carer Comments: