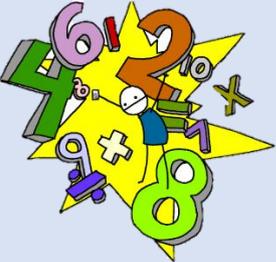




# Year 4 Home-learning activities

## Thursday 4th June 2020

Subject	Activity/Resource
<p>English</p> 	<h3>POETRY WEEK!</h3> <p>I hope you all enjoyed the challenge of creating some of the different types of poems so far this week. Today we are going to stay with poetry but of a different kind... We are going to look at “Limericks”!</p> <p>To write a limerick, come up with a <b>5-line poem</b> where the <b>first, second, and fifth line rhyme</b> with each other and the <b>third and fourth line rhyme</b> with each other. Also, make sure the <b>first, second, and fifth line have 8-9 syllables</b> and the <b>third and fourth line have 5-6 syllables</b>. Here’s an example:</p> <p style="text-align: center;"><b>There once was a wonderful star Who thought she would go very far Until she fell down And looked like a clown She knew she would never go far.</b></p> <p>Try to create your own limerick. If you are feeling confident you may be able to create more than one and they can be about whatever you want! Good luck!</p>
<p>Maths</p> 	<p>At the start of this half term we are going to carry on looking at fractions. In the second half of the week we will look more specifically at quantities.</p> <p><b><u>Lesson 3</u></b> – Fractions of quantities</p> <p><b><u>Lesson 4</u></b> – Calculate quantities</p> <p><a href="https://whiterosemaths.com/homelearning/year-4/">https://whiterosemaths.com/homelearning/year-4/</a></p>

Work through the lessons and related activities for **Summer Term Week 6 (Lessons 3 and 4)**

**REMEMBER.....There are videos online that teach these lessons!**

Topic



In our Topic work on Monday and during the first half of Summer Term, we created our own maps and labelled them. Our task today is to study the differences in maps used throughout history and maps used now.



19<sup>th</sup> century map of London.

- What do you notice about this map?
- What is different between the map and London today?
- Has anything stayed the same? (Clue: A famous river, perhaps...)
- Do you think maps are still important for us to get around in 2020?
- What other ways and different technologies have human beings developed to find direction now? What do you and your family use when you are lost?

(There is a larger version of this map further down)

Science



**STEM Learning postcard number 6!** Have a go if you can! This time you will need a stick (*plastic, wooden, metal*) and some clay or playdough.

You can check out more of these postcards here: [STEM Learning](#)

**IMPORTANT TIPS TO REMEMBER:**

- Write the date (DD/MM/YY) at the top of each piece of work you do.
- Write the title of the work underneath the date.
- If can, send me a photo of your work or if you can complete it on a computer, send the file to me so I can have a look at your work.
- If you have any issues with the work set, please email me straight away and I will try to get back to you as soon as possible.
- I will send the next set of work to you on Monday.
- This work is for you to do at your own pace. Please do not feel like you must complete everything straight away.

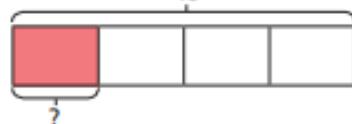
## Fractions of a quantity

1 Complete the number sentences.

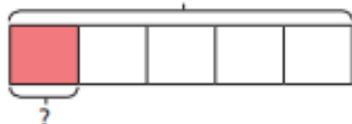
a)  $\frac{1}{4}$  of 20 =



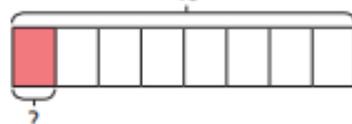
d)  $\frac{1}{4}$  of 40 =



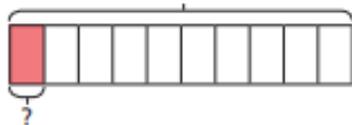
b)  $\frac{1}{5}$  of 20 =



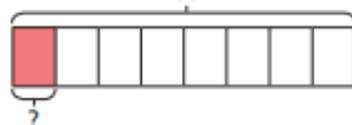
e)  $\frac{1}{8}$  of 40 =



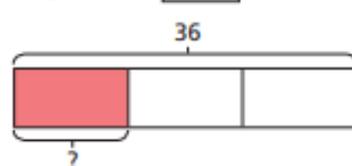
c)  $\frac{1}{10}$  of 20 =



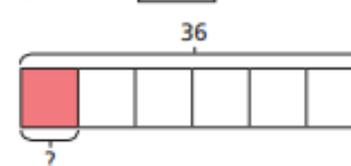
f)  $\frac{1}{8}$  of 80 =



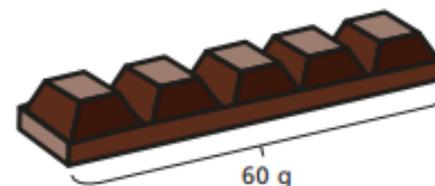
g)  $\frac{1}{3}$  of 36 =



h)  $\frac{1}{6}$  of 36 =



2 Filip has a chocolate bar with 5 equal pieces.  
The chocolate bar weighs 60 g.



a) What is the mass of one piece?

The mass of one piece is  g.

b) Filip eats  $\frac{3}{5}$  of the bar of chocolate.  
How many grams does Filip eat?

Filip eats  g of chocolate.

3 Complete the number sentences.

a)  $\frac{1}{4}$  of 24 =

c)  $\frac{1}{8}$  of 32 =

$\frac{3}{4}$  of 24 =

$\frac{5}{8}$  of 32 =

b)  $\frac{1}{7}$  of 35 =

d)  $\frac{5}{8}$  of 64 =

$\frac{3}{7}$  of 35 =

$\frac{7}{8}$  of 64 =

$\frac{5}{7}$  of 35 =

$\frac{10}{8}$  of 64 =

4 Match the calculations to the answers.

$\frac{2}{3}$  of 18

18

$\frac{5}{6}$  of 18

15

$\frac{9}{10}$  of 20

16

$\frac{4}{5}$  of 20

12



5 a) Write each calculation in the correct circle.

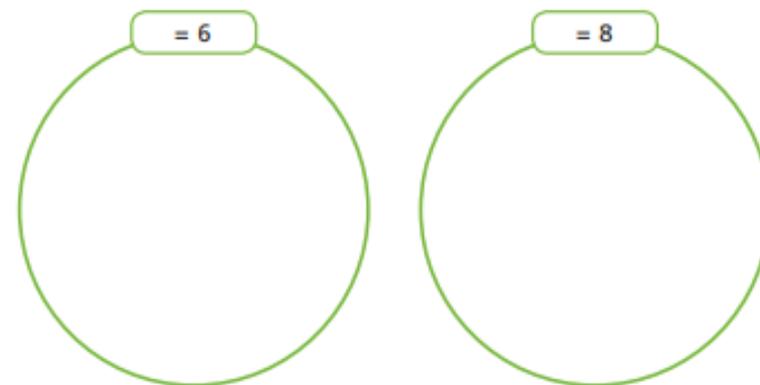
$\frac{1}{2}$  of 16

$\frac{1}{4}$  of 24

$\frac{2}{3}$  of 9

$\frac{3}{2}$  of 4

$\frac{1}{6}$  of 48



b) Write one more calculation in each circle.

6 Write <, > or = to compare the calculations.

a)  $\frac{2}{7}$  of 21   $\frac{2}{3}$  of 21

b)  $\frac{3}{5}$  of 40   $\frac{2}{3}$  of 36

c)  $\frac{6}{8}$  of 40   $\frac{3}{4}$  of 40

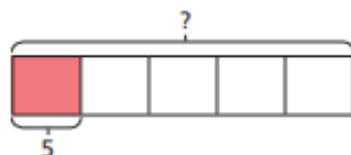
d)  $\frac{6}{10}$  of 50   $\frac{3}{10}$  of 100

## Calculate quantities

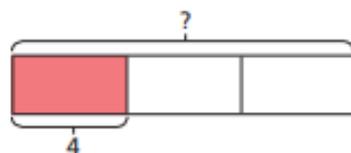
1 Match the calculations to the bar models.

Work out the missing quantities.

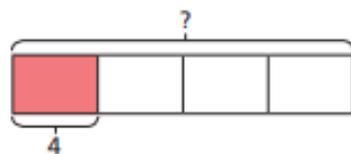
$$\frac{1}{4} \text{ of } \square = 5$$



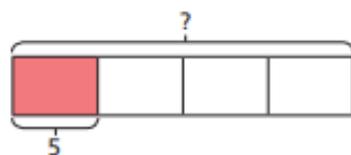
$$\frac{1}{4} \text{ of } \square = 4$$



$$\frac{1}{5} \text{ of } \square = 5$$



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



2 Complete the sentences.

a) When one fifth is 1, the whole is

When one fifth is 10, the whole is

When one fifth is 20, the whole is

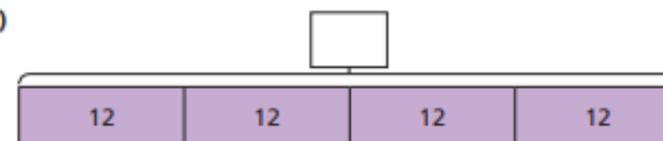
b) When  $\frac{1}{7}$  is 2, the whole is

When  $\frac{1}{7}$  is 4, the whole is

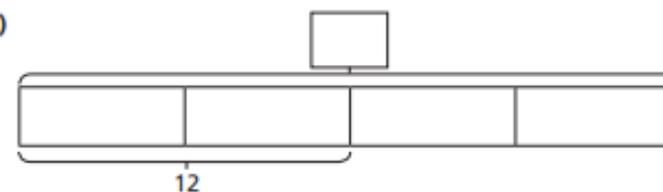
When  $\frac{1}{7}$  is 8, the whole is

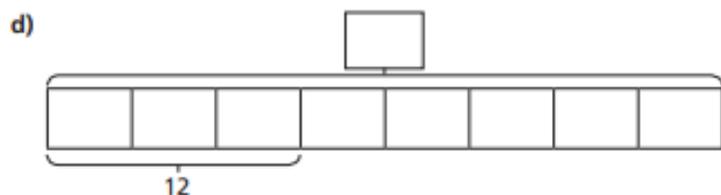
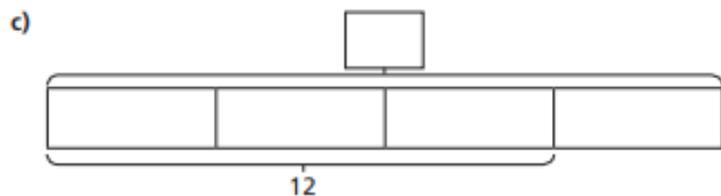
3 Complete the bar models and fill in the whole.

a)



b)





4 Complete the calculations.

a)  $\frac{1}{2}$  of  = 30

e)  $\frac{3}{7}$  of  = 15

b)  $\frac{1}{2}$  of  = 15

f)  $\frac{5}{7}$  of  = 15

c)  $\frac{1}{4}$  of  = 15

g)  $\frac{5}{7}$  of  = 35

d)  $\frac{3}{4}$  of  = 15

h)  $\frac{7}{5}$  of  = 35

5 Dora and Mo have a full bottle of juice.

Dora drinks  $\frac{2}{5}$  of the juice.

Mo drinks  $\frac{1}{5}$  of the juice.

There is 150 ml of juice left in the bottle.

How much juice was in the full bottle?

ml

6 Rosie and Ron are collecting red and blue counters.

They have the same number of blue counters.

They have a different number of red counters.



Rosie

I have 18 counters altogether.  $\frac{2}{3}$  are blue.

$\frac{3}{4}$  of my counters are blue.



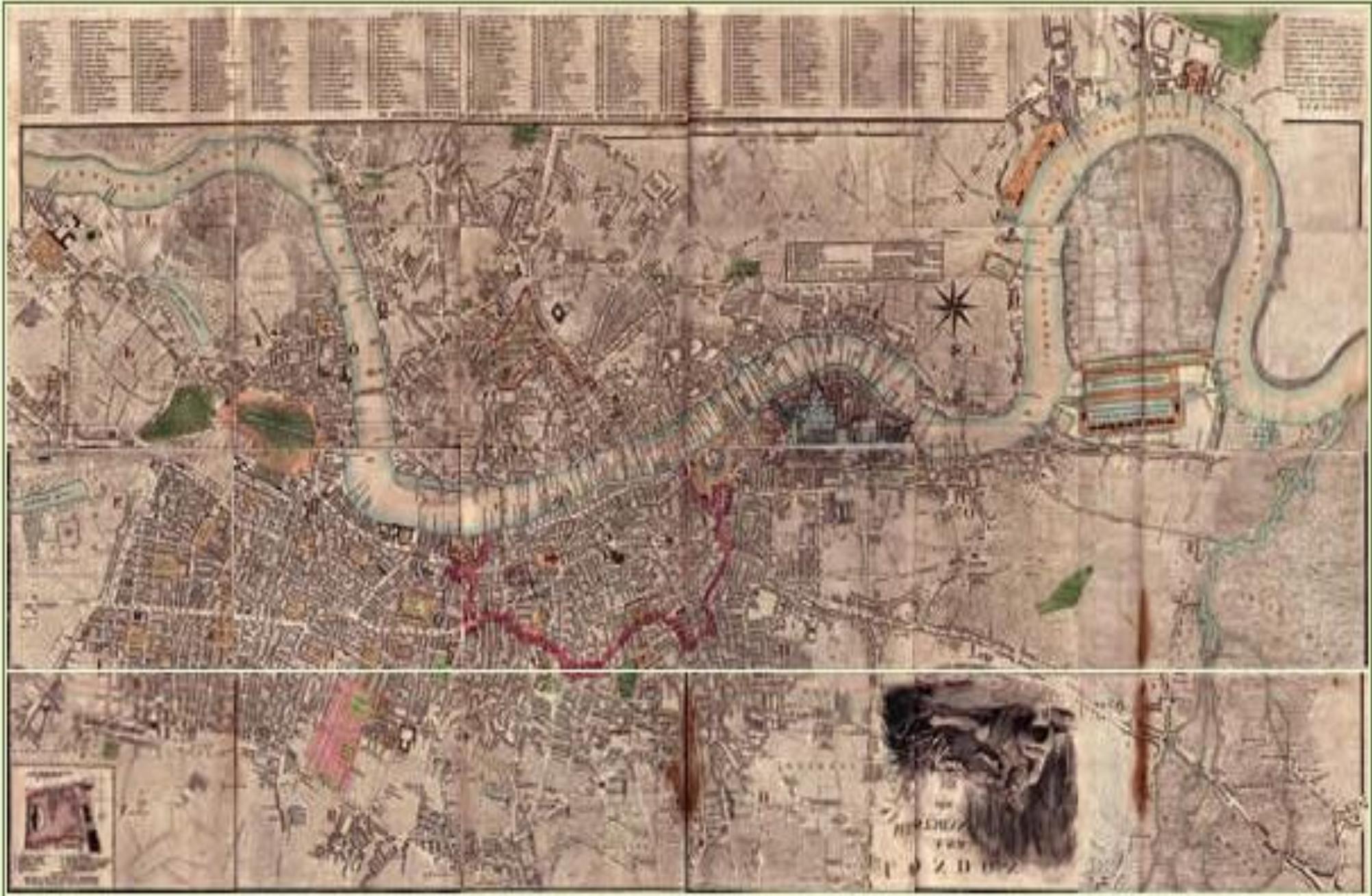
Ron

a) How many counters does Ron have altogether?

b) How many red counters do they each have?

Rosie has  red counters.

Ron has  red counters.



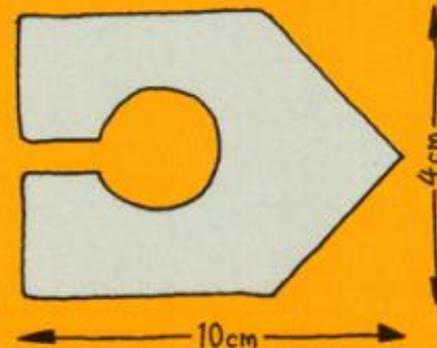
# DO ~~NOT~~ TRY THIS AT HOME

Featuring:  
**Marvin and Milo**

**What you need:** • piece of foil • scissors  
• washing-up liquid • sink or bath

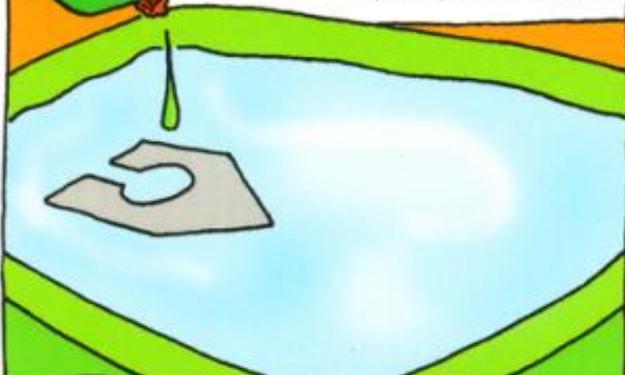
Ahoy there me land lubbers! Today we are going to race my metal boat against Milo's ship.

To make a boat like mine, cut this shape...



... out of the foil.

Gently place your boat into a sink full of clean water.



Garefully place a drop of washing-up liquid into the boat's hole.

IT MOVES!



Water molecules are attracted to each other, creating "surface tension". The soap disrupts the surface behind the boat but the molecules in front are still pulling together,

so the boat is pulled forward.

