



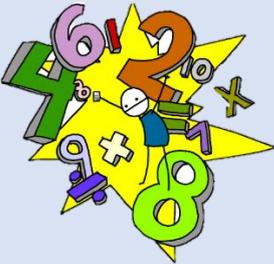
# Year 4 Home-learning activities

## Monday 27th April 2020



The BBC have created an extensive library of online lessons for every year group and every subject on their Bitesize website. This includes lessons from some famous faces, including David Attenborough teaching Geography lessons and Sergio Aguero teaching Spanish.

Head to the BBC Bitesize website for all of the lessons - [www.bbc.co.uk/bitesize](http://www.bbc.co.uk/bitesize)

Subject	Activity/Resource
<p data-bbox="293 808 432 853">English</p> 	<p data-bbox="887 804 1043 835">Haiku Poem</p> <p data-bbox="557 884 1378 1032">A syllable is a part of a word pronounced as a unit. It is usually made up of a vowel alone or a vowel with one or more consonants. The word "Haiku" has two syllables: Hai-ku; the word "introduction" has four syllables: in-tro-duc-tion.</p> <p data-bbox="560 1077 1374 1225">"Haiku" is a traditional form of Japanese poetry. Haiku poems consist of 3 lines. The first and last lines of a Haiku have 5 syllables and the middle line has 7 syllables. The lines rarely rhyme.</p> <p data-bbox="719 1270 1214 1301">Here's a Haiku to help you remember:</p> <p data-bbox="738 1352 1187 1496"><b>I am first with five Then seven in the middle Five again to end.</b></p> <p data-bbox="550 1547 1385 1653">Can you write 3 of your own Haiku poems? They could be about nature and animals; they could be about our time in our homes recently or even just something you are passionate about!</p>
<p data-bbox="300 1666 426 1711">Maths</p> 	<p data-bbox="557 1666 1378 1771">Please carry on with the White Rose lessons for Week 2. If you have not yet completed the lessons from Week 1, please do so first.</p> <p data-bbox="580 1783 1355 1854"><b>Lesson 1</b> – This lesson focuses on Rounding decimals whilst using number lines to plot and order decimals.</p> <p data-bbox="553 1899 1378 1989"><b>Lesson 2</b> – This lesson looks at halves and quarters, focusing on these as equivalents with decimals. E.g. <math>\frac{1}{2} = 0.5</math></p>

	<p><a href="https://whiterosemaths.com/homelearning/year-4/">https://whiterosemaths.com/homelearning/year-4/</a> Work through the lessons and related activities for <b>Summer Term Week 2 (Lessons 1 and 2)</b></p> <p><i>- There are four lessons for this week, so work through them at your own pace.</i>  <i>- There are video lessons at the link above which will help you with the work.</i>  <i>- If you have any questions, please email me and I can help with the work.</i>  <i>- If you are unable to print the worksheets, complete the work in your Home Learning workbooks or on a piece of paper.</i>  <i>- The worksheets are also attached to this document below.</i></p>
<p style="text-align: center;"><b>Topic</b></p>  <p style="text-align: center;"><b>ECO WARRIORS</b></p>	<div style="border: 1px solid green; padding: 5px; margin-bottom: 10px;"> <p style="color: red;">I loved looking at all your Eco-Warriors posters and mind-maps from last week. I am hoping that we can put them up in our classroom when we go back to school.</p> </div> <p>Most homes in Lewisham and the rest of London have a green recycling bins for people to use. This week I would like you to keep a log of what you put into your recycling bins.</p> <p>This will include what materials you put into the bin, and how many items you put into the bin. I have included an example of a table that you could use to keep the log.</p> <div style="text-align: center;">  </div>

**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 THURSDAY.
- This work is for you to do at your own pace. Please do not feel like you must complete everything straight away.

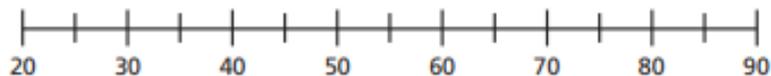
## Round decimals

Lesson 1 - <https://whiterosemaths.com/homelearning/year-4/>

1 Here are some number cards.



a) Draw arrows to estimate the position of the numbers on the number line.



b) Use the numbers to complete the sentences.

- is closer to 50 than 40
- is closer to 30 than 20
- is closer to 80 than 90
- is closer to 60 than 70

2 Here are some number cards.



a) Draw arrows to estimate the position of the numbers on the number line.

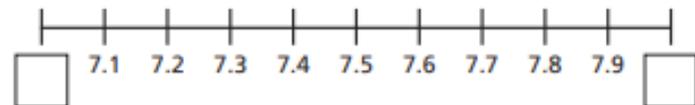


b) Use the numbers to complete the sentences.

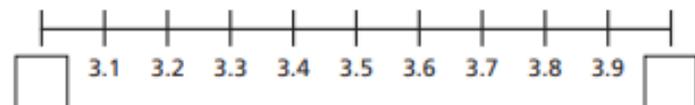
- is closer to 5 than 4
- is closer to 3 than 2
- is closer to 8 than 9
- is closer to 6 than 7

3 Fill in the integers on the number lines.

a)



b)

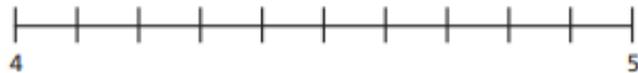


4 Which integers do the numbers lie between?

Fill in the boxes to make the statements correct.

- a)  < 1.4 <
- b)  < 34.8 <
- c)  < 0.7 <

- 5 a) Label 4.3 on the number line.



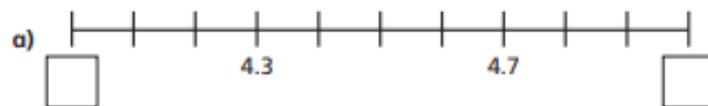
Is it closer to 4 or 5?

- b) Label 12.8 on the number line.



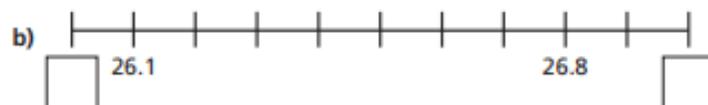
Is it closer to 12 or 13?

- 6 Complete the number lines and sentences.



is closer to  than

is closer to  than



is closer to  than

is closer to  than

- 7 Which numbers **round up** to the nearest whole number?

Circle your answers.

4.1    2.8    0.7    12.3    0.5    99.3

- 8 Round each decimal to the nearest whole number.

a) 1.8

e) 13.7

b) 4.2

f) 20.1

c) 0.9

g) 0.4

d) 1.5

h) 99.8

- 9 Ron is rounding 8.2 to the nearest whole number.



Because 2 tenths is less than 5 tenths, the number rounds down to 7

Do you agree with Ron? \_\_\_\_\_

Explain your answer.

- 10 Tommy is thinking of a number that has one decimal place.

When he rounds his number to the nearest whole, the answer is 32

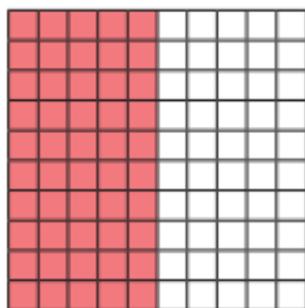
What number could Tommy be thinking of?

Are there any other answers?

## Halves and quarters

Lesson 2 - <https://whiterosemaths.com/homelearning/year-4/>

1 Half of the hundred square is shaded.



a) How many hundredths are shaded?

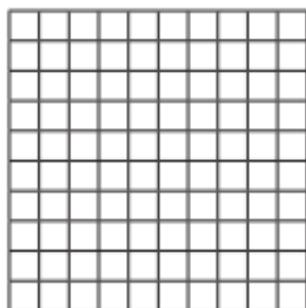
b) How many tenths are shaded?

c) Complete the equivalent fractions.

$$\frac{1}{2} = \frac{\boxed{\phantom{00}}}{100} \quad \frac{1}{2} = \frac{\boxed{\phantom{00}}}{10}$$

d) Write  $\frac{1}{2}$  as a decimal.

2 Here is a blank hundred square.



a) Shade  $\frac{1}{4}$

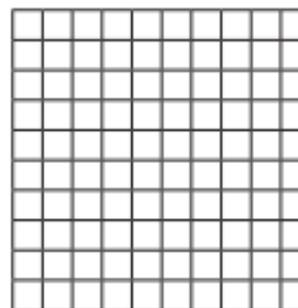
b) How many hundredths are shaded?

c) Complete the equivalent fraction.

$$\frac{1}{4} = \frac{\boxed{\phantom{00}}}{100}$$

d) Write  $\frac{1}{4}$  as a decimal.

3 Here is a blank hundred square.



a) Shade  $\frac{3}{4}$

b) How many hundredths are shaded?

c) Complete the equivalent fraction.

$$\frac{3}{4} = \frac{\boxed{\phantom{00}}}{100}$$

d) Write  $\frac{3}{4}$  as a decimal.

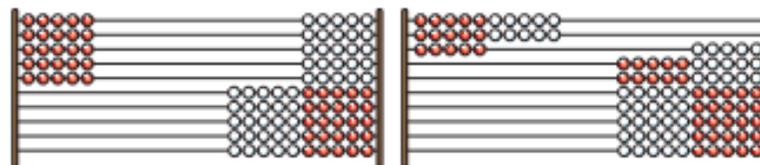
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I don't need to shade a hundred square to write  $\frac{3}{4}$  as a decimal because I already know what  $\frac{1}{2}$  and  $\frac{1}{4}$  are as decimals.

How does this help Annie?

5



Both Rekenreks represent one quarter.

Is the statement true or false? \_\_\_\_\_

Talk about it with a partner.

6 Fill in the missing fractions and decimals on the number line.



7 Complete the equivalent fractions and decimals.

a)  $\frac{25}{100} = \square$

e)  $\frac{25}{100} = \frac{\square}{4}$

b)  $\frac{75}{100} = \square$

f)  $\frac{\square}{4} = \frac{75}{100}$

c)  $\frac{1}{4} = \square$

g)  $\square = \frac{1}{2}$

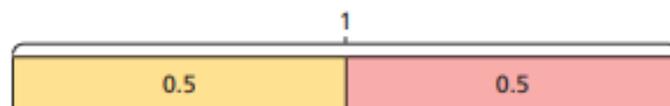
d)  $\frac{3}{4} = \square$

h)  $\frac{50}{100} = \frac{\square}{2}$

8

$$0.5 + 0.5 = 1$$

This bar model shows that  $\frac{1}{2}$  is equivalent to 0.5



Draw a bar model to show that  $\frac{1}{4}$  is equivalent to 0.25



9

Use your knowledge of equivalent fractions to convert between fractions and decimals.

a)  $\frac{2}{4} = \square$

d)  $0.25 = \frac{\square}{24}$

b)  $\frac{5}{20} = \square$

e)  $\frac{\square}{68} = 0.5$

c)  $\square = \frac{21}{28}$

f)  $0.75 = \frac{\square}{400}$





# RECYCLING CHART



Types of Material Recycled	Tally of number of items recycled	Materials that cannot be recycled

