

# CVPS Home Learning

WC: 15.06.20

Please write all answers / questions in your distance/home learning journals. Remember to email your work to your class teacher.

## YEAR 5 Mathematics

Click on the lesson  
you would like to  
complete today.



[LESSON 1](#)

[LESSON 2](#)

[LESSON 3](#)

[LESSON 4](#)

[LESSON 5](#)

This week we are continuing to look at solving problems involving decimals .

# Lesson 1: Decimals-To solve problems related to decimals.

- ▶ [Click here](#) and complete the pre lesson quiz and follow the instructions on the screen.
- ▶ You will find a copy of the independent task, as referred to in the video, and additional challenges.

## Independent Task

For each question: Draw a bar model, label it, convert any units if you need to and then solve.

**1.** A container at the food stall has 20 litres of drink in it. In the first hour 2 litres and 750 ml is sold and in the second hour 4.5 litres is sold. How much drink is left in the container?

**2.** Maya is hanging bunting around her garden for a party. She hopes to hang 6.5 metres. She has 2.45 m of bunting and her friend brings another 320 cm of bunting, how much more do they need to make?

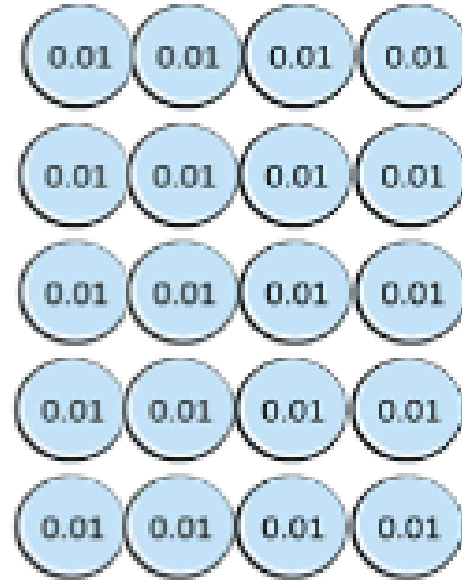
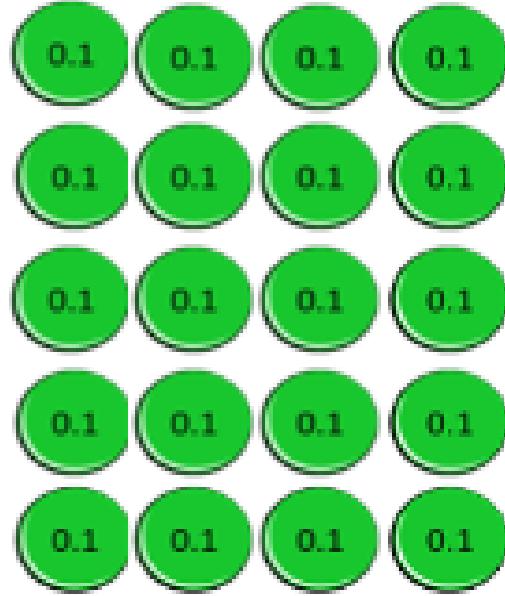
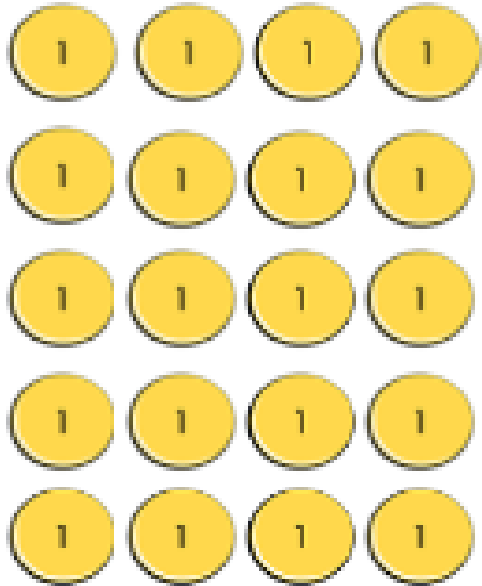


## Lesson 2: To investigate multiplying decimals.

- ▶ [Click here](#) and complete the pre lesson quiz and follow the instructions on the screen.
- ▶ You will find a copy of the independent task, as referred to in the video.

## Task 1 of 2

Write 2 multiplication statements for each of the sets of place value counters.



When you have six equations write two sentences using the sentence stem:

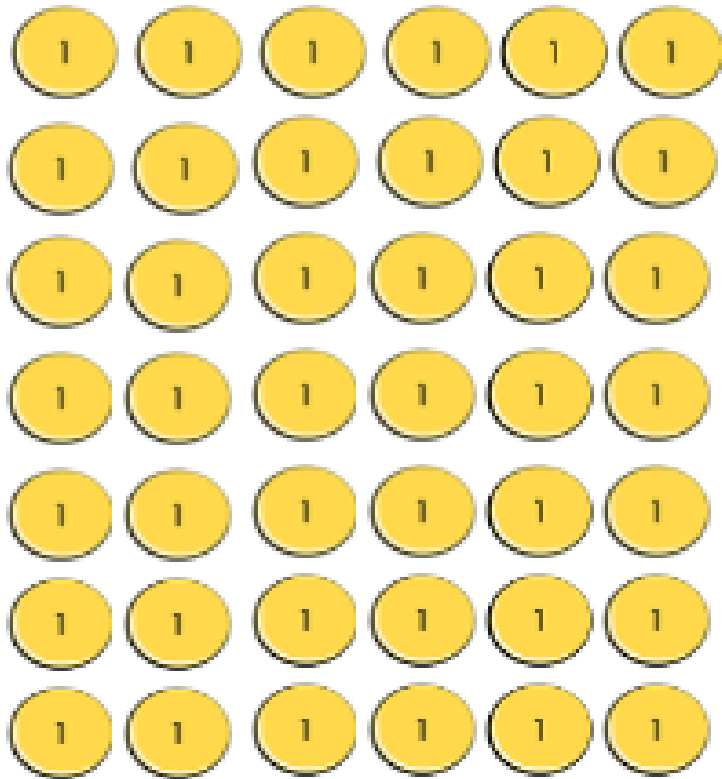
If I know  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$  then I know  $\underline{\quad} \times \underline{\quad} = \underline{\quad}$  because  $\underline{\quad}$  is  $\underline{\quad}$  times smaller than  $\underline{\quad}$ .



## Task 2 of 2

This time you only have your arrays in ones.

Complete the equations, using If I know... then I know... to support. This time, you also need to use thousandths.



$$6 \times 7 =$$

$$7 \times 6 =$$

$$7 \times 0.6 =$$

$$6 \times 0.7 =$$

$$7 \times 0.06 =$$

$$6 \times 0.06 =$$

$$7 \times 0.006 =$$

$$6 \times 0.007 =$$

**Challenge: What do you notice when you multiply by a decimal less than 1?**



# Lesson 3: To multiply decimals by whole numbers

- ▶ [Click here](#) and complete the pre lesson quiz and follow the instructions on the screen.
- ▶ You will find a copy of the independent task, as referred to in the video.

## Independent Task

Solve these four multiplication equations. Draw arrays or an area model to help you solve them. If you are unsure how to draw the area model, don't pause the video just yet! Check your answer using if I know then I know because... sentence.

$$6.5 \times 3$$

$$3.9 \times 4$$

$$10.8 \times 7$$

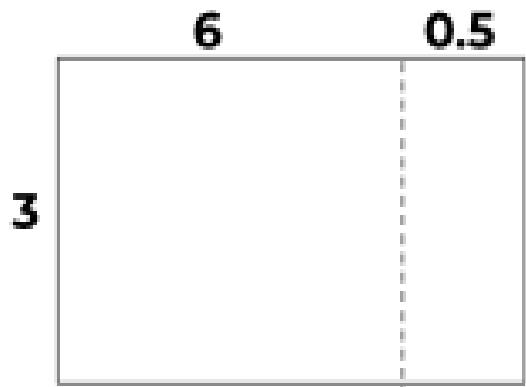
$$24.8 \times 6$$



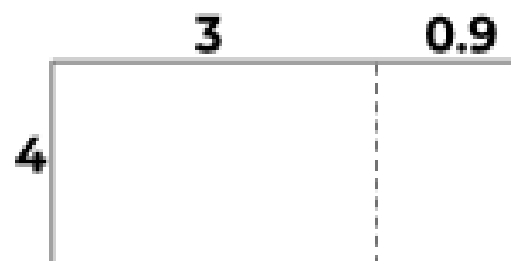
## Independent Task

Solve these four multiplication equations. Draw arrays or an area model to help you solve them. Check your answer using if I know then I know because... sentence.

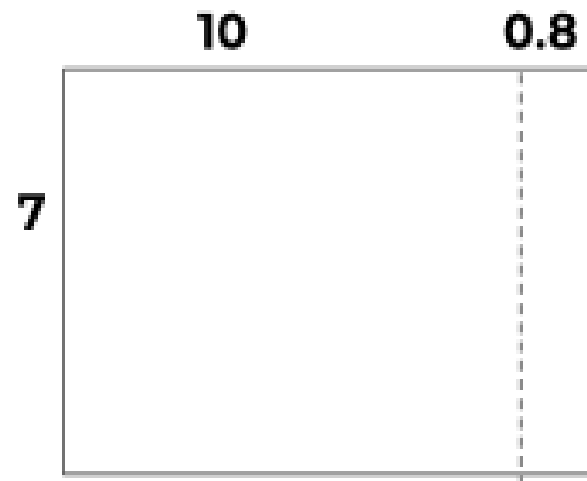
$$6.5 \times 3$$



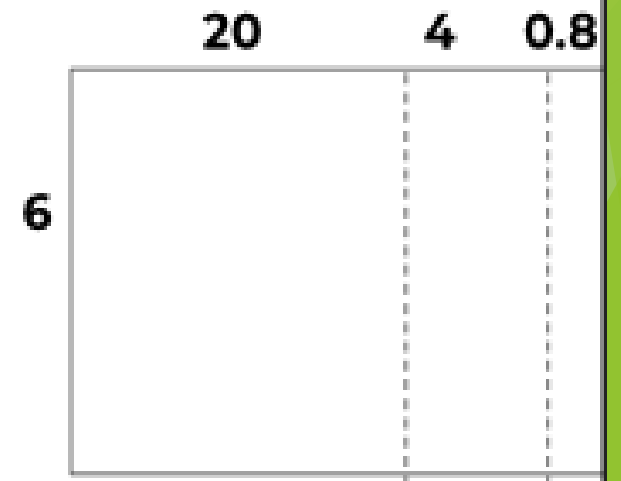
$$3.9 \times 4$$



$$10.8 \times 7$$



$$24.8 \times 6$$



# Lesson 4: To multiply decimals using a formal method

- ▶ [Click here](#) and complete the pre lesson quiz and follow the instructions on the screen.
- ▶ You will find a copy of the independent task, as referred to in the video.

## Independent Task

Solve each equation using the most efficient method. Check it by drawing your own place value counters.

$$6.5 \times 3$$

$$3.9 \times 4$$

$$10.8 \times 7$$

$$24.3 \times 6$$

# Lesson 5

For today's lesson you will be using the White Rose Website.  
Click on the link below to find your way to the website.

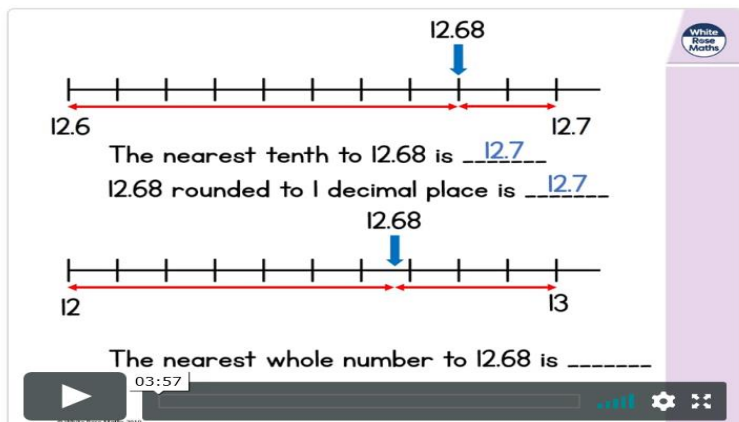
[Click here](#)

First, click on Summer Term - Week 7 (w/c 8<sup>th</sup> June)

Summer Term - Week 7 (w/c 8th June)

Then scroll down to Lesson 3- Rounding Decimals and watch the video.

## Lesson 3 - Rounding decimals



The screenshot shows a video player with a number line. The number line is labeled from 12.6 to 12.7 with major ticks every 0.1 and minor ticks every 0.01. A blue arrow points to 12.68. A red double-headed arrow spans from 12.6 to 12.7. Below the number line, the text reads: "The nearest tenth to 12.68 is 12.7" and "12.68 rounded to 1 decimal place is 12.7".

A second number line is shown below, labeled from 12 to 13 with major ticks every 1 and minor ticks every 0.1. A blue arrow points to 12.68. A red double-headed arrow spans from 12 to 13. Below the number line, the text reads: "The nearest whole number to 12.68 is \_\_\_\_\_".

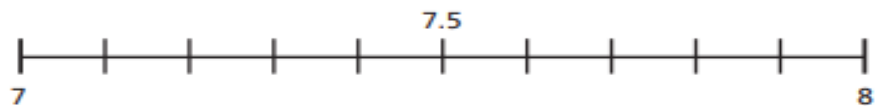
The video player interface includes a play button, a progress bar showing 03:57, and a White Rose Maths logo in the top right corner.

Your worksheets are on the next slides on this document.

# Rounding decimals

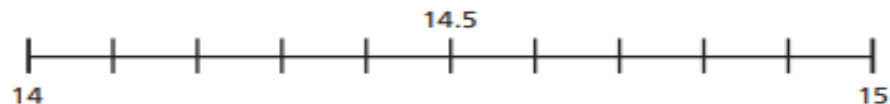
1 Show the position of each number on the number line.  
Use the number line to round these decimals to the nearest whole number.

a) 7.2



The nearest whole number is

b) 14.8



The nearest whole number is

c) 6.5



The nearest whole number is

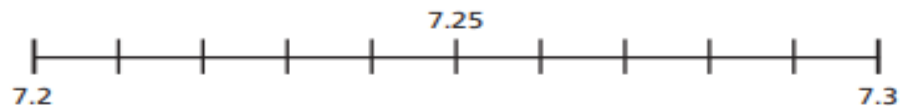


Explain to a partner how to round decimal numbers to the nearest whole number.

2 Use the number line to round these decimal numbers to the nearest tenth and the nearest whole number.



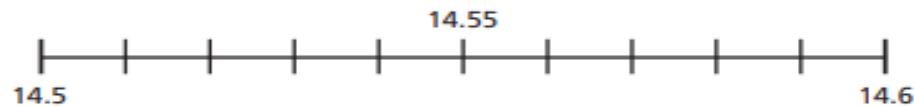
a) 7.23



The nearest tenth is

The nearest whole number is

b) 14.56



The nearest tenth is

The nearest whole number is

c) 6.45



The nearest tenth is

The nearest whole number is

Explain to a partner how to round decimal numbers to one decimal place.



3 a) When rounding to the nearest tenth, how many digits will there be after the decimal point?

b) Round each number to one decimal place.

1.33

4.03

1.34

4.04

1.35

4.05

1.36

4.06

1.37

4.07

4 Round each number to the nearest tenth.

a) 4.21

d) 11.86

g) 12.92

b) 8.09

e) 5.67

h) 10.65

c) 4.84

f) 0.15

5 Circle each decimal that rounds to 6.2

6.32

6.23

6.27

6.17

6.12

6.25

Explain your reasoning.

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6 Here are the weights in kilograms of some parcels.



3.48 kg



1.42 kg



10.65 kg



1.03 kg

a) Round the weight of each parcel to 1 decimal place.

kg

kg

kg

kg

b) The weight of each parcel has been rounded to the nearest 100g.

Is this true or false? \_\_\_\_\_

Talk about it with a partner.

7 Amir is thinking of a number.

Rounded to the nearest whole his number is 5

Rounded to the nearest tenth his number is 4.8

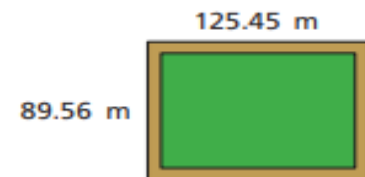
Write at least four different numbers that Amir could be thinking of.

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8 A farmer is building a new fence for her sheep field.

Here are the measurements.



She wants to build a fence around the whole field.

Estimate how much fencing you think she will need.

Talk about your estimate with a partner.