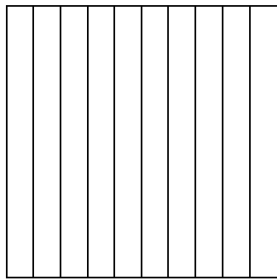


Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Growth (pre/post): +**

**4G**

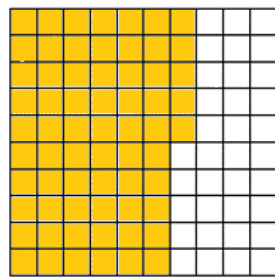
You eat 8 slices of cake. Shade to show how much you ate:



**In words:**  
\_\_\_\_\_  
\_\_\_\_\_

**As a decimal (digits):** \_\_\_\_\_

The orange shows how much grass a cow ate in the paddock today.



**In words:**  
\_\_\_\_\_  
\_\_\_\_\_

**As a decimal (digits):** \_\_\_\_\_

**As a decimal:** \_\_\_\_\_

\_\_\_\_ wholes and \_\_\_\_ tenths

I am trying to make a 1 metre fishing rod. So far, I have 3 sticks that are 1cm. I have 6 sticks that are 10cm long.

\_\_ wholes \_\_ tenths \_\_ hundredths  
\_\_ hundredths

**As a decimal:** \_\_\_\_\_

**4H**

Draw coins to show the value of these decimals as money:

0.45	0.5	0.8

**4I**

Mark these metre values on this number line:  
Use and mark benchmark numbers to help you.

- 1.5m

0.3m

1.25m

0.8m



4J

In one whole, how many tenths are there?

In one tenth, how many hundredths are there?

Show different ways to make 0.65 (rename it):

\_\_\_ tenths and \_\_\_ hundredths      \_\_\_ hundredths      \_\_\_ wholes

Draw coins for 0.65:

Mark 0.65 along this 1 metre length of wood:

0m  1m

Rename using place value and the real-life values of tenths and hundredths:

I have 5 tenths of \$1. How many hundredths do I have?

I have 9 hundredths and 3 tenths of one metre, so I have:

\_\_\_ hundredths

\_\_\_ hundredths

In real-life, this means I have:

In real-life, this means I have:

5C

Compare the decimals. Justify your answer for full marks.

Use the greater/less than or equal signs  $>$   $=$   $<$  to compare the decimals:

I know this because... (prove it using money, measurement or place value):

0.25      0.4

0.601      0.70

1.5      0.62

**5C** Mark these weights **as decimals** on this number line:

- Platypus 1.608kg
- Baby echidna 1.8kg
- Mouse 0.04kg
- Goldfish 0.2kg



**5C** Mark these prices **as decimals** on this number line:

- Choc bar \$2.5
- Lolly bag \$4.092
- Drink \$4.8
- Petrol \$2.190



**5D** Round these decimals and estimate for these problems:

<u>Number</u>	Nearest whole	Nearest tenth	Nearest hundredth
1.56			
3.748			

I bought 5 milkshakes for my family on Sunday morning. Each milkshake was \$4.65. I only have cash (notes). Draw the notes I should use to pay:

Andrea is measuring wood for a deck she is building. She needs 31.078 metres. The wood comes in 3m lengths. How many should she buy?

I have \$15. Each apple is \$0.96. Around about how many apples can I buy?

**6A** Decimals by powers of 10:

$0.6 \div 10 = \underline{\hspace{2cm}}$	100 lengths of 0.08m of pipe = <u>        </u>	$\$0.05 \times 1000 = \underline{\hspace{2cm}}$
How did you do it?	How did you do it?	How did you do it?

**6B** Write how you would say larger place values in abbreviated real-life form:

\$1200000	6000000000 YouTube hits	800000 Tik Tok followers

5E

Find all the factors of 24

--

6C

Show the prime factorisation of 16

--

+200

6D

Is 47 prime or composite? Prove your answer.

6D

I am buying balloons for a party. One bulk pack has 67 balloons and the other has 64 balloons. Both are the same unit price (it is the same cost per balloon). I want the balloons arranged in equal groups. Which pack should I choose if I want to try to avoid any remainders/leftover balloons? Prove it.

6E

Mark these integers on this vertical number line: 

Temperature at Mt Buller is -5 degrees.	I dive -65m underwater.	I have \$45 in my bank.
I lose \$175 gambling.	I climb 156m up a mountain.	It is -89°C in Antarctica.

I have negative \$50 in my bank account. What does that mean in real life?

6F

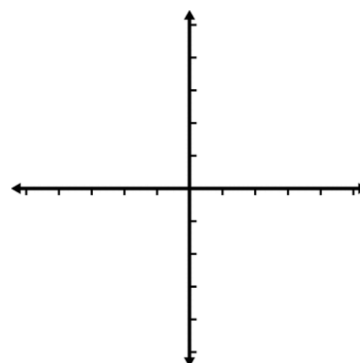
Mark these coordinates on the Cartesian Plane:

Red dot (5, 3) ●

Green dot (-4, -3) ●

Blue dot (-2, 0) ●

Black dot (-2, -1) ●



-200