

NAME: _____

1 What is the value of the 5 in the following numbers?

57		0.5123	
23 156		5.2134	
2 510		11.6542	
35 001		0.09875	
1 567 234		1.615	

2 Put the following sets of numbers in order, with the largest first:**a** 4.5, 7.2, 11, 0.9, 2.08, 0.07 _____**b** 0.1, 0.12, 0.09, 0.19, 0.92, 1.2 _____**c** 0.3, 0.033, 0.33, 3.303, 0.03, 3.3 _____**3** Put the following sets of quantities in order, with the smallest first:**a** 3cm, 1.3cm, 5.3cm, 3.5cm, 5.6cm, 2.55cm _____**b** 30cm, 0.4m, 8.9m, 2m, 0.1m, 250cm _____**c** 2 litres, 0.6litre, 400ml, 0.5litre, 550ml _____**d** 15cm, 0.2m, 2.9m, 0.1m, 7m, 1250cm _____**e** 25 litres, 1.6litre, 390ml, 0.12 litre, 450ml _____**f** 1 kg, 200g, 3.2kg, 0.9kg, 233g, 3214g, 0.5kg _____**g** 1.1 kg, 3.1kg, 240g, 623g, 1.8kg, 2.3kg, 2kg _____**4** Round to the nearest:

ten		hundred		thousand	
63		463		12 543	
846		1 692		100 765	
5 839		93		91 098	
8		12 763		997	

5 Round to the nearest:

whole number		one decimal place		two decimal places	
6.312		6.312		6.312	
0.043		0.043		0.043	
0.785		0.785		0.785	
8.093		8.093		8.093	

6 Find the value of the following:

a 46×1000 **b** 3.8×1000 **c** 0.0084×1000 **d** $46 \div 1000$ **e** $3.8 \div 1000$ **f** $0.0084 \div 1000$

7 Estimate an answer to $5874 \div 31$

Estimate an answer to 8.7×10.2

8 Solve these equations:

a $x + 17 = 35$

b $9 = y - 7$

c $16 = 4 - z$

d $7m = 56$

e $\frac{n}{12} = 5$

9 Work out the following

a $4 + 3 \times 2 - 1$

b $8 + 4 \times 8 - 40$

c $8 + (6 + 3) \div 3$

d $16 \div (2 + 6) + 8$

10 Work out the answers to the following calculations. You may need to use a number line.

a $(+5) - (+4) =$

b $(+5) - (-4) =$

c $(-9) - (-4) =$

d $(-9) - (+4) =$

e $(+5) + (+4) =$

f $(+5) + (-4) =$

g $(-9) + (-4) =$

h $(-9) + (+4) =$

11 A boy has climbed 210m up a 350m vertical cliff, and is trapped there. A rescue helicopter is hovering 65m above the top of the cliff. Calculate how far a rescuer must be lowered to reach the boy. You may draw a sketch to help you.

12 Find the temperature for each of the following. You may need to draw a number line.

a) The temperature is -5°C , and rises by 15°C . _____

b) The temperature is -5°C , and falls by 15°C . _____

c) The temperature is 11°C , and rises by 15°C . _____

d) The temperature is 11°C , and falls by 15°C . _____

13 A lift in a office block has stopped on the 3rd floor. After that it goes up 8 floors, then down 10 floors, then down 1 floor and at the end goes up 3 floors. Write down the final position of the lift.