Level 5 – Try to do the following. The answers

☐ Multiply and divide whole numbers by 10, 100 and 1000

1. 12 x 10 =
2. 45 x 100 =
3. 34 x 1000 =
4. 13 ÷ 10 =
5. 72 ÷ 100 =
6. 25 ÷ 1000 =

☐ Add and subtract negative numbers

1, (+2) + (+3) =
2. (+5) – (-7) =
3. (+8) – (+3) =
4. (+12) + (-7) =
5. (-3) + (+5) =
6. (-12) + (-4) =
7. (-9) – (-3) =
8. (-6) – (+4) =

☐ Put numbers in order including negative numbers - Put the following numbers into the rank order - smallest to largest:

12	-3	99	100	15	9	-99	-5	0	-2

☐ Add, subtract, multiply and divide numbers like 19.75 and 34.21

1. 23.22 + 12.99 =
2. 34.21 – 21.56 =
3. 13. 4 x 6 =
4. 22.14 ÷ 9 =

☐ Simplify a fraction - Simplify the following fractions:

1.	9/12	
2.	20/100	
3.	72/80	
4.	27/81	

☐ Work out a fraction or percentage of a number

1.	3/5 of 45 =	
2.	24% of 60 =	

☐ Multiply or divide a three digit number by a two digit number

1.	127 x 23 =	
2.	182 ÷ 14 =	

☐ Use inverse operations of approximation to check my answers

Use inverse operations to show that:

1.	5 + 7 = 12	
2.	9 – 5 = 4	
3.	3 x 4 = 12	
4.	18 ÷ 3 = 6	
5.	3 x 2 + 4 = 10	
6.	(13 – 3) ÷ 2 = 5	
7.	35 ÷ 5 – 4 = 3	
8.	(13 + 7) x 2 = 40	

☐ Use simple formulae like C=2n+4

A formula to find the cost of hiring a car is:

$$C = 20d + 50$$

Where C is the cost in pounds and d is the number of days

1. Find the cost of hiring a car for 7 days

2. If the cost is £210, for how many days will the car have been hired?

☐ Use co-ordinates in all four quadrants

Using squared paper, plot the coordinates and join up in alphabetical order

A(4, 7) B(3,-5) C(-4, 2) D(-3, -1)

☐ Measure and draw angles to the nearest degree

Draw the angles: 30^0 63^0 135^0 175^0 and then get your partner to check that you have drawn these correctly

☐ Use and understand the formula for the area of a rectangle

Find the area of area of a rectangle that has a length of 14.5 cm and a width o 8 cm.

☐ Find the mean of discrete data

What is the mean of 2, 4, 7, 12, 18 and 22?

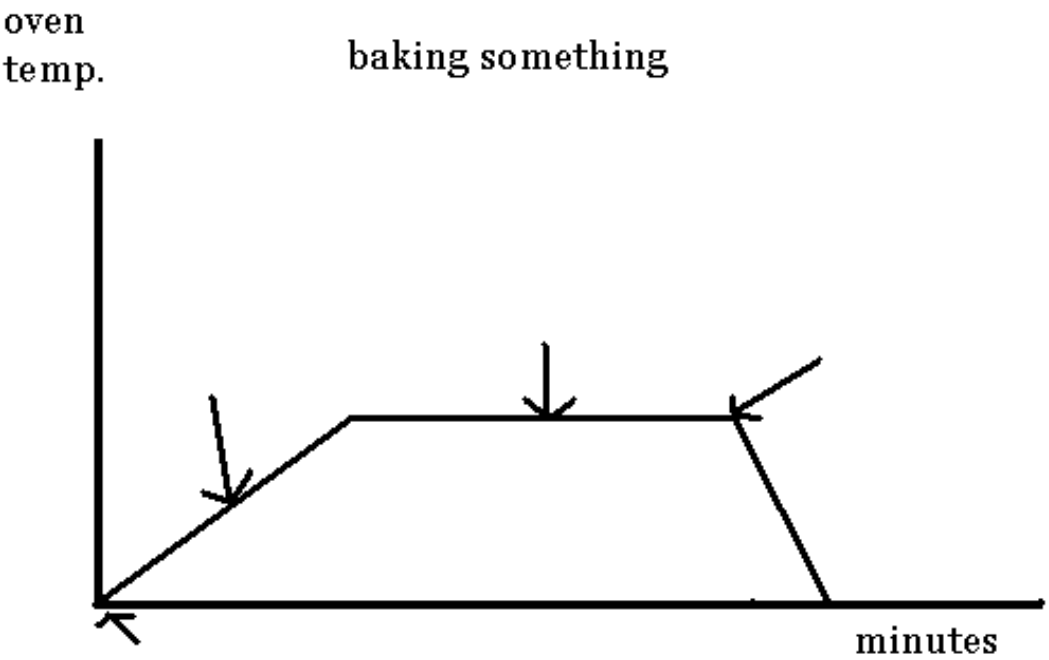
☐ Use the range and one of the averages to compare two sets of data

Compare these two sets of data using the mean and the range:

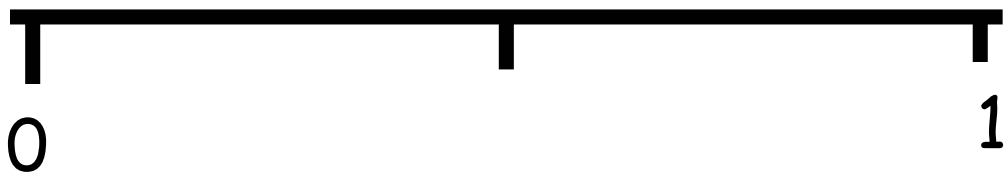
Set 1	2, 7, 12, 15, 34
Set 2	13, 13, 14, 15, 15

☐ Say what diagrams and graphs show

Tell the story about baking



☐ Use the probability scale from 0 to 1



Use the probability scale to show the probability of:

a. Getting a head when a single coin is tossed
b. Getting a red bead from a bag that contains 2 red and 6 black beads
c. Getting a white bead from a bag that contains red and green beads
d. Getting a score of 1, 2, 3, 4, 5 or 6 when a single dice is thrown

☐ Understand that experiments don't always have the same outcome

Complete the table below when a coin is tossed 10 times on two separate equations:

	Number Heads	Number Tails
First 10 tosses		
Second 10 tosses		

Explain why the results are not always the same.