S2 LEVEL 2/3 BLOCK 2 REVISION

NON-CALCULATOR SECTION.

TOPIC 1- Scale Drawing

1

a) Measure the length and breadth of the living room.

Length = Breadth =

b) Calculate the **real** length and breadth of the room.

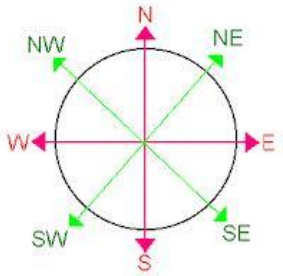
This scale drawing of a living room is drawn to a scale of **1 cm = 3 m**.



Real Length =

Real Breadth =

2

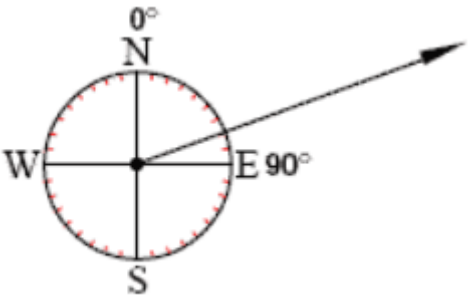


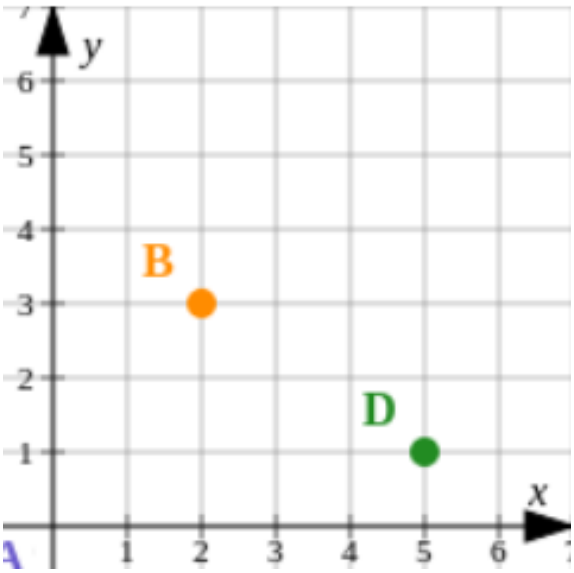
a) What is the compass bearing for West?

b) If you are facing North-West and turn 90^0 anti-clockwise in which direction would you be facing?

3

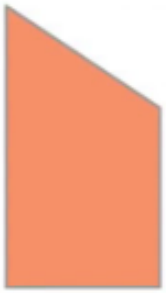
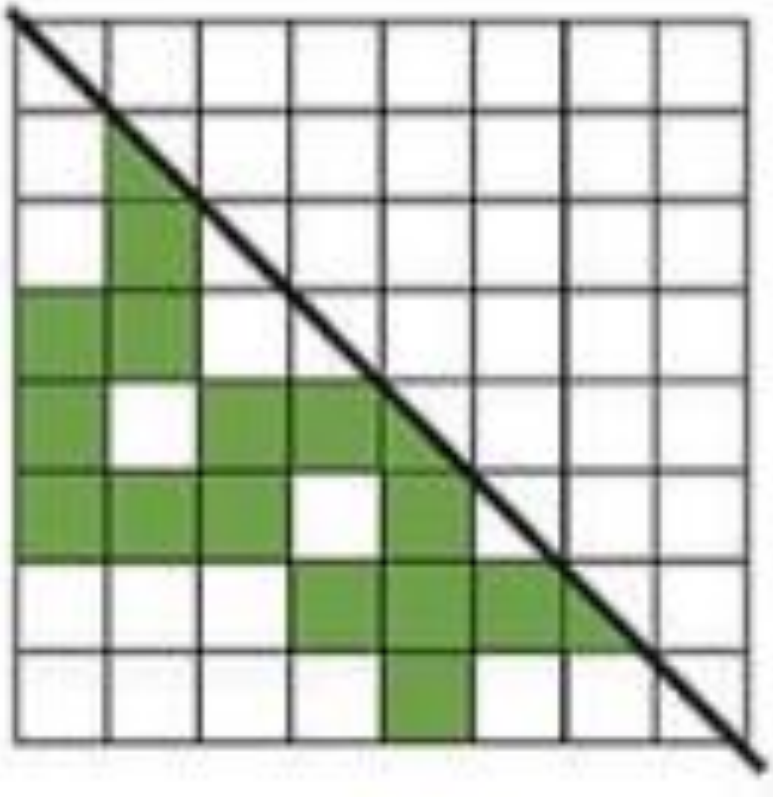
State the bearing shown by the arrow in the diagram



TOPIC 2- Coordinates		
4	On the grid below, two points have been plotted. a) State the coordinates of points B and D B(___ , ____) D(____ , ____)  b) Plot the point C (2,1). c) Plot the point A and **draw the rectangle** ABCD. Write the coordinates of your point A A (___,___)	
5	A coordinate K(6, 2) is described as "6 **along** the x-axis and 2 **up** ". Describe in words the position of the point with coordinates P(3, **–1**).	
Topic 3 - Percentages without a calculator		/4
6	Find 10% of £60	
7	Write down the equivalent fraction **and** decimal of 25%	

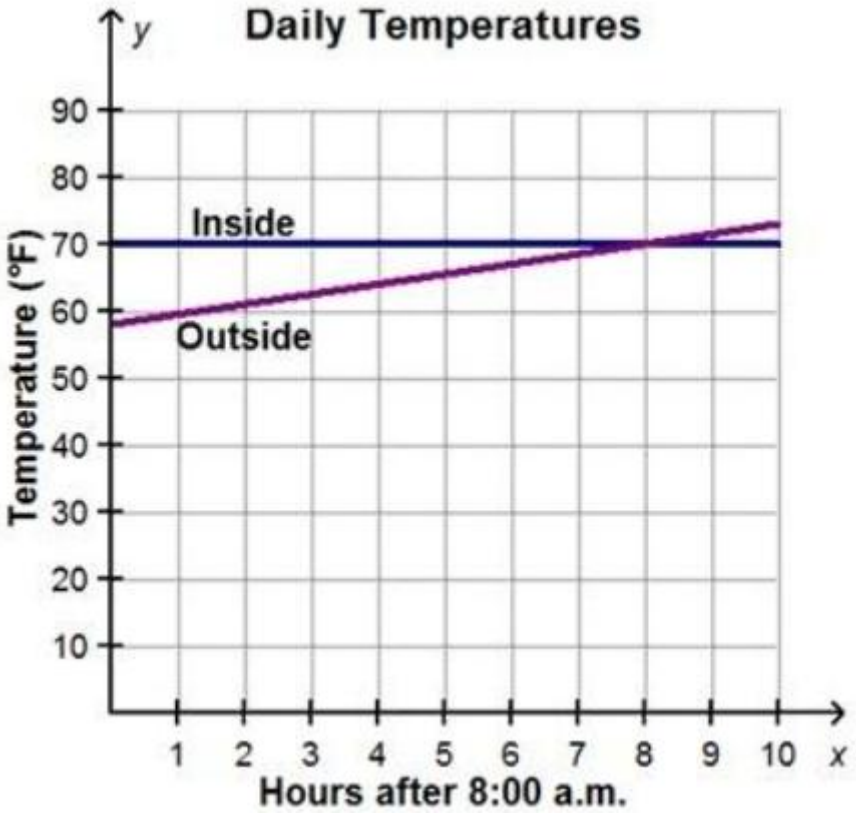
CALCULATOR SECTION.

Q	Topic 4 – Percentages with a Calculator	
1	Calculate 18% of £2.40	
2	65% of the buses in Moffat and Williamson yard are brown in colour. **a)** If there are 40 buses in total in the yard, how many are brown? **b)** How many are **not brown**?	
3	64% of a class did their homework and 32% didn't. The remainder of the class did it but lost it so couldn't hand it in. **What percentage of the class lost their homework?**	

Topic 5 – Symmetry		
4	Draw in any lines of symmetry on the shapes below.  	
5	Shade in the squares on the other side of the mirror line to make a symmetrical shape. 	

TOPI – Information Handling

6 The inside and outside temperatures were taken from 8am for 10 hours. The results are shown in the line graph.



a) How many hours after 8am was the inside temperature the same as the outside temperature?

b) How much warmer was the inside temperature than the outside temperature at 9 am?

7



Sarah picks 5 **numbers** and arranges them in order.

a) What is the range?

b) What is the mode?

c) What is the median?

d) What is the mean?

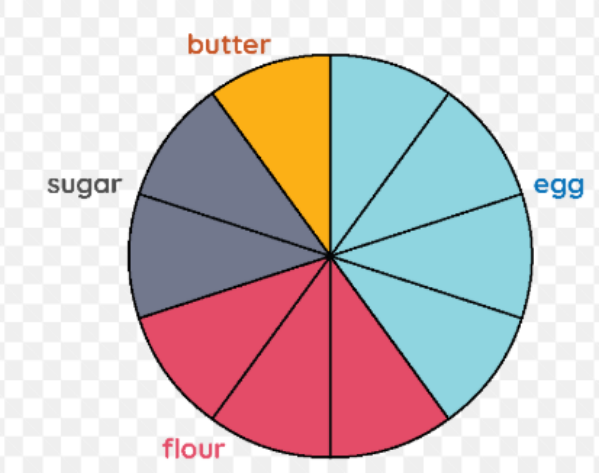
8

The pie chart shows the ingredients used in a cake recipe.

a) What percentage of the cake is **butter**?

b) What percentage of it is **egg**?

c) If the whole cake weighs 400 grams, how many grams of **sugar** would be needed?



Topic– Measurement and area

9 Estimate the height of the classroom.

10 Convert the following:

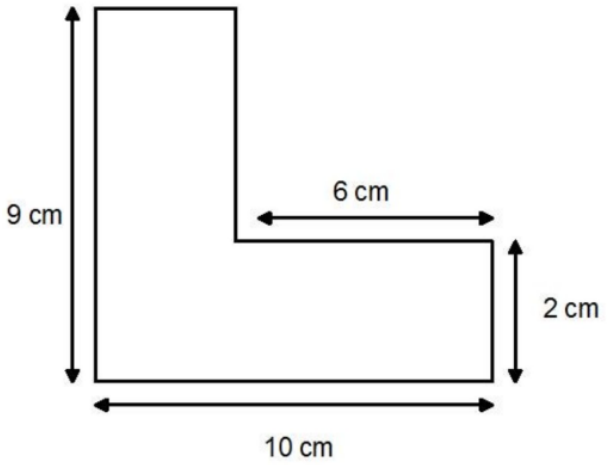
a) 300 cm = _____ m

b) 2 kg = _____ grams

c) 2.5 litres = _____ millilitres

d) 76 mm = _____ cm

11 What is the total area of this shape which is made up of two rectangles joined together?



_____