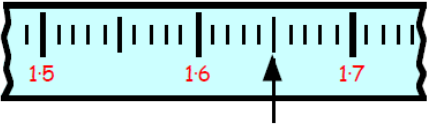
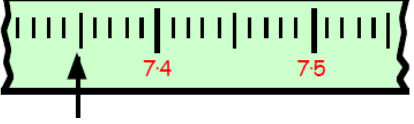
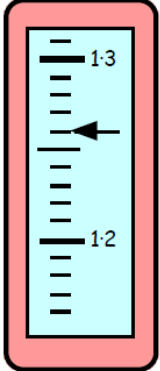
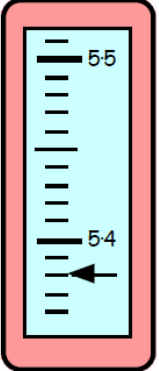
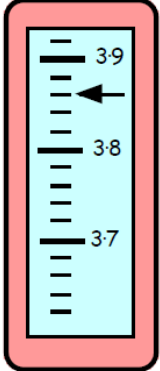
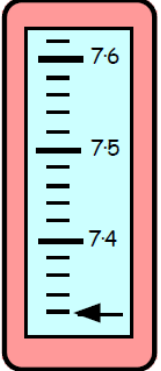
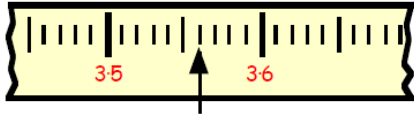
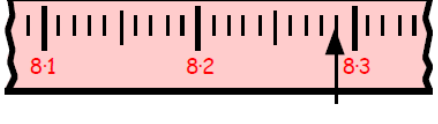


S1 Level 2 Block 3 revision sheet

	Decimals
1.	To which numbers are the arrows pointing ? a  c  i  j  k  l  b  d 
2.	Round these numbers to 1 decimal place, in the way shown above :- a 4.42647 → 4.4 d 8.43576 → g 14.88437 → b 1.87229 → e 4.04717 → h 0.34789 → c 7.39422 → f 3.05111 → i 0.07101 →

S1 Level 2 Block 3 revision sheet

3.

Calculate :-

a £3·64 + £4·09

b £37·58 + £25·23

c £72·54 + £7·77

d £8·26 + £9·44

e £48·37 + £7·26

f £56·92 + £72·60

g £9·47 - £3·53

h £8·64 - £2·99

S1 Level 2 Block 3 revision sheet

4.

Copy the following and complete the calculations :-

a 3.58
 $\times 4$

b 9.89
 $\times 2$

c 15.7
 $\times 5$

e 60.78
 $\times 8$

f 150.34
 $\times 9$

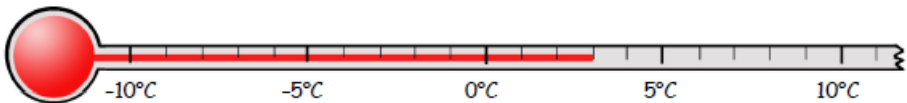
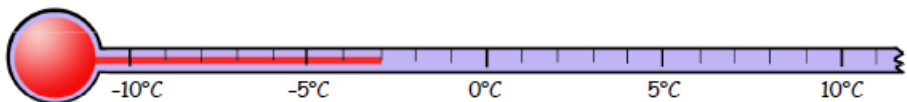
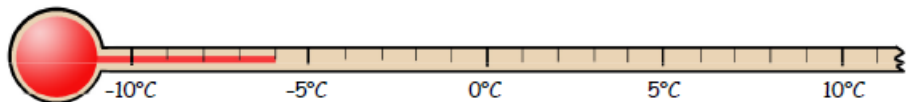
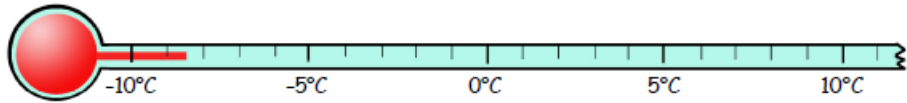
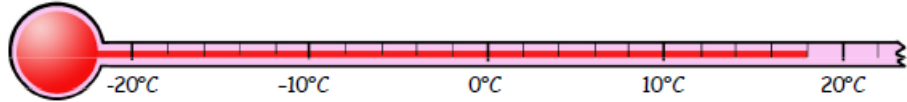
g 567.8
 $\times 3$

5.

Write down the answers to :-

- | | | | |
|-------------------------------|-----------------------------|-----------------------------|----------------------------|
| a 0.53×10 | b 10×24.247 | c 100×0.123 | d 6.9×100 |
| e 0.5002×1000 | f 1000×2.87 | g $27.1 \div 10$ | h $0.75 \div 10$ |
| i $870 \div 100$ | j $1.23 \div 100$ | k $4870 \div 1000$ | l $26.1 \div 1000.$ |

S1 Level 2 Block 3 revision sheet

	Integers – Positive and negative whole numbers
6.	1. A thermometer is the most obvious place to see positive and negative numbers. What temperatures are shown here ? a  b  c  d  e 

S1 Level 2 Block 3 revision sheet

7.

- c** Sandra's online banking account shows that she has (£50). She withdraws £55 from the account. What will her balance show up as now ?
- d** Jeff's bank balance is shown. He paid £48 into the account. What was his new balance then ?
- e** Melvin's bank balance was £1. He withdrew £17. What was his new balance ?
- f** Last month Lucy's bank balance stood at (-£80.00). She withdrew a further £25. What was her balance then ?
- g** If John's bank balance stands at (-£27), how much would he have to pay in to clear his overdraft ?
- h** Moira's online banking account shows that she has (£52.20). She buys a T-shirt with a cheque for £7.50 and pays £46.50 for messages using her debit card.

Balance - £62.00

S1 Level 2 Block 3 revision sheet

- | | |
|----|---|
| 8. | <p>1) One winter's day in Dumfries, the temperature was -8°C.
In Aviemore it was 7° colder.
What was the temperature in Aviemore?</p> <p>2) As I left my hotel room in Alaska the temperature was 21°C.
When I stepped outside sixty seconds later, the cold temperature of -23°C hit me immediately!
What was the difference in temperatures over those sixty seconds?</p> <p>3) Whilst on safari in Kenya, I noticed the temperature rose from -6°C at night to 43°C in late morning.
By how much had the temperature risen?</p> <p>4) Write each set of temperatures in order, coldest first:</p> <ul style="list-style-type: none">• 18°C, -2°C, -21°C, 0°C, 1°C, -1°C.• -36°C, -9°C, -17°C, -58°C, 2°C, -2°C. |
|----|---|

S1 Level 2 Block 3 revision sheet

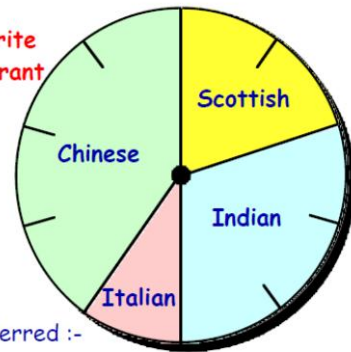
	Information Handling												
9.	Pupils were asked to name their favourite sport. The results are shown in the bar graph. a How many pupils chose :- (i) hockey (ii) football (iii) tennis (iv) swimming ? b How many pupils were questioned in the survey ? c This is an all boys or an all girls school. Which one do you think it is and why ? <table border="1"> <caption>Favourite sport</caption> <thead> <tr> <th>Sports</th> <th>Number of pupils</th> </tr> </thead> <tbody> <tr> <td>hockey</td> <td>16</td> </tr> <tr> <td>football</td> <td>2</td> </tr> <tr> <td>netball</td> <td>28</td> </tr> <tr> <td>tennis</td> <td>22</td> </tr> <tr> <td>swimming</td> <td>18</td> </tr> </tbody> </table>	Sports	Number of pupils	hockey	16	football	2	netball	28	tennis	22	swimming	18
Sports	Number of pupils												
hockey	16												
football	2												
netball	28												
tennis	22												
swimming	18												
10.	This pictograph shows the number of pupils who made a purchase at the tuck shop. Key:  stands for 5 pupils a How many pupils made a purchase on :- (i) Monday (the answer is not 2) (ii) Tuesday (iii) Wednesday (iv) Thursday (v) Friday ? b How many more pupils were there on Tuesday than on Friday ? <table border="1"> <thead> <tr> <th>Day</th> <th>Number of pupils</th> </tr> </thead> <tbody> <tr> <td>Mon</td> <td>10</td> </tr> <tr> <td>Tue</td> <td>20</td> </tr> <tr> <td>Wed</td> <td>25</td> </tr> <tr> <td>Thu</td> <td>15</td> </tr> <tr> <td>Fri</td> <td>10</td> </tr> </tbody> </table>	Day	Number of pupils	Mon	10	Tue	20	Wed	25	Thu	15	Fri	10
Day	Number of pupils												
Mon	10												
Tue	20												
Wed	25												
Thu	15												
Fri	10												

S1 Level 2 Block 3 revision sheet

11.

The pie chart shows the results of a survey into favourite restaurant food.

Favourite Restaurant



- a Write down the fraction ($\frac{?}{10}$) of the class who chose :-
- (i) Chinese (ii) Scottish
- (iii) Italian (iv) Indian.
- b List the foods in order, from **most** popular to **least** popular.
- c If 50 people took part in this survey, **how many** of them preferred :-
- (i) Italian (ii) Indian
- (iii) Scottish (iv) Chinese ?

12.

A group was asked to name their favourite curry sauce.

Masala	Korma	Bhoona	Masala
Bhoona	Patia	Bhoona	Dhansac
Patia	Masala	Masala	Patia
Korma	Masala	Bhoona	Masala

Sport	Tally	Frequency
Masala		
Korma		
Bhoona		
Patia		
Dhansac		

- a Copy and complete the frequency table.
- b How many people chose Patia ?
- c What was the most popular sauce ?
- d How many **more** people chose Bhoona than Korma ?



S1 Level 2 Block 3 revision sheet

	Percentages
13.	Write each percentage as a fraction in its simplest form. (e.g. $40\% = \frac{40}{100} = \frac{4}{10} = \frac{2}{5}$). a 50% b 10% c 25% d 75% e 20% f 80% g 5% h 30% i 44% j 65% k 4% l 2%.
14.	Calculate each of the following :- a 50% of £16 b 50% of 58 m c 50% of 146 g d 25% of 4p e 25% of 44 kg f 25% of 600 mm g 10% of 200 ml h 10% of 700 cm i 10% of 3000 miles j 50% of £750 k 10% of £820 l 25% of £18 m 50% of £22.50 n 25% of £6 o 10% of £9.10.

S1 Level 2 Block 3 revision sheet

15.

You may use a calculator for questions 8 - 12.

8. a A bank charges 14% for a £6400 car loan.
How much did the bank charge for the loan?



$$\frac{14}{100} \times 6400$$

$$= 14 \div 100 \times 6400$$



- b  Only 55% of bugs are killed by a bug spray.
If there were 8600 bugs, how many were killed?

- c Hayley's council tax last year was £960. This year there is a 7% increase.
How much is the increase?

- d Last month a house was valued at £120 000.
This month the house is valued at 3.5% less.
How much less is the value of the house?



Algebra

15. Find the value of x in each question

a $x + 1 = 3$

b $x + 5 = 9$

c $x + 7 = 15$

d $x + 8 = 20$

e $x - 1 = 3$

f $x - 2 = 18$

S1 Level 2 Block 3 revision sheet

16. Find the value of x in each question

a $2x = 12$

b $3m = 24$

c $5p = 35$

d $8q = 40$

e $6t = 18$

f $9a = 90$

17. Find the value of x in each question

a $2x + 1 = 7$

b $2x + 4 = 14$

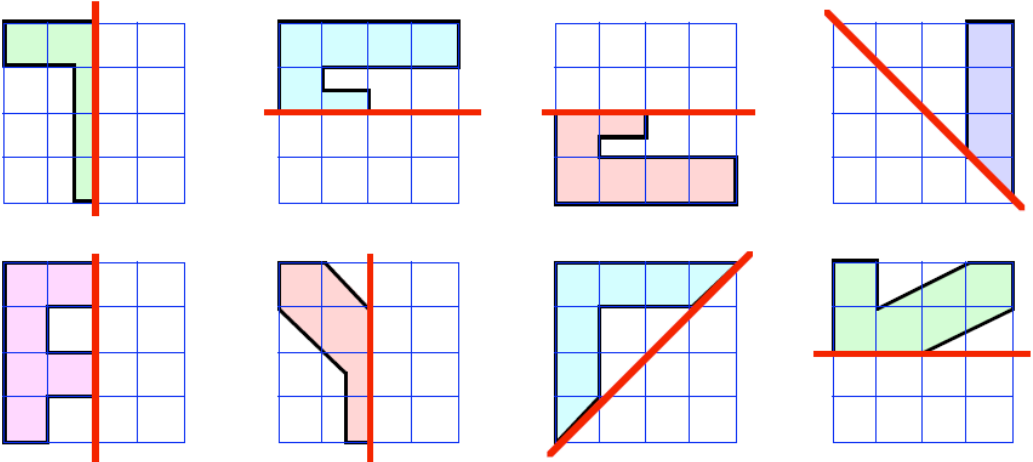
c $3x + 5 = 11$

d $5x + 1 = 36$

e $2x - 1 = 5$

f $2x - 3 = 7$

S1 Level 2 Block 3 revision sheet

Symmetry	
18.	Reflect the shape in the line of symmetry.  The image contains eight grid-based shapes, each with a line of symmetry indicated by a red line. The shapes are arranged in two rows of four. The first row contains: 1. A green L-shaped figure with a vertical line of symmetry. 2. A light blue shape with a horizontal line of symmetry. 3. A pink shape with a horizontal line of symmetry. 4. A purple shape with a diagonal line of symmetry. The second row contains: 1. A pink shape with a vertical line of symmetry. 2. A pink shape with a vertical line of symmetry. 3. A light blue shape with a diagonal line of symmetry. 4. A green shape with a horizontal line of symmetry.