

# Level 1 Test – Knowledge

Name .....

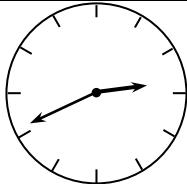
**60 minutes Non-calculator Scribbling paper allowed**

Put marks or ticks in the right column. Multiply total by 1.30 (round up) to get a score /48

Score:                      /37    × 1.30    =                      /48

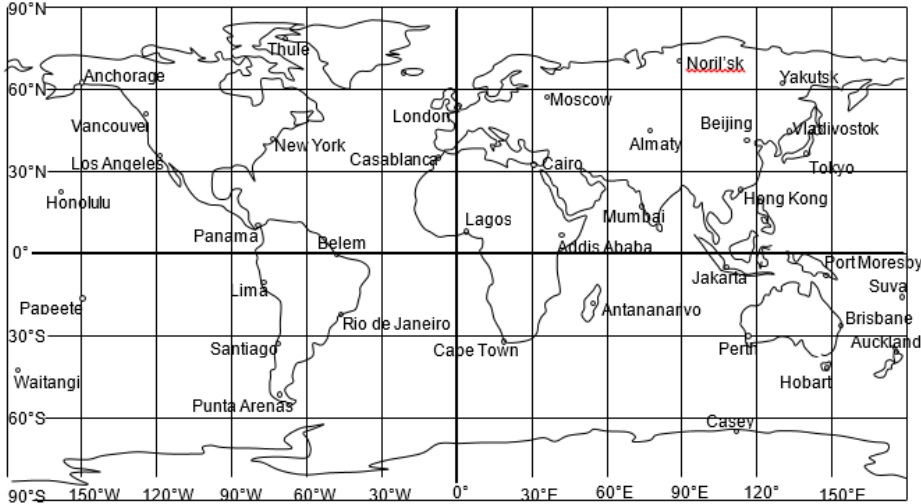
Number		
Q1	Write 23 000 551 017 in words.	/1
Q2	Insert <, > or = in this equation:     8 + 12     3 × 6	/1
Q3	Write the two meanings of 0.37.	/2
Q4	Write $\frac{12}{5}$ as an mixed number and as a decimal.	/2
Q5	How far below 3 is -5 on a number line.	/1
Q6	46.2 × 3.19 is closest to: (circle one)    50    100    150    250    300	/1
Q7	Is 57 923 401 667 228 divisible by 4 without leaving a remainder?	/1
Q8	What is $\frac{3}{4} + 1\frac{1}{2}$ ?	/1
Q9	Find $15 - (8 \div 2 \times 4) \div 2$	/1

<b>Algebra</b>		
Q10	Present this relation as a table: (0, 4), (1, 7), (2, 10), (3, 13), (4, 16) where the first number is the distance in km and the second number is the fare in dollars.	/2
Q11	Which is the independent variable in the relation above?	/1
Q12	Can the relation above be expressed as a formula?	/1
Q13	Would the relation between time and air temperature be discrete or continuous?	/1
Q14	If fare = \$3.50 + distance (in km) × \$5, find the fare to go 10 km.	/1
Q15	If $d = 2h + 7$ , find $h$ if $d = 29$ . Show working.	/2

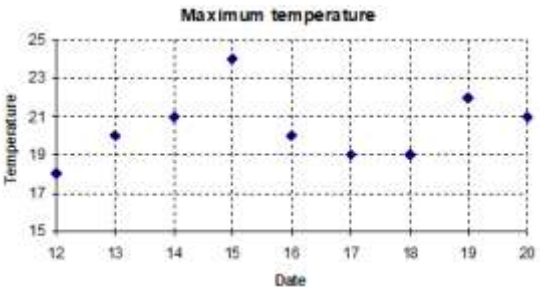
<b>Measurement</b>		
Q16	How many dimensions is a rectangle?	/1
Q17	Estimate the area of the top of a school desk, using an appropriate unit.	/1
Q18	What is the time on this clock to the nearest minute? 	/1

Q19	<b>M</b>	<b>T</b>	<b>W</b>	<b>Th</b>	<b>F</b>	/1	
	<b>8:30-8:45</b>	Form	Form	Form	Form		Form
	<b>8:45-10:00</b>	Maths	Japanese	SOSE	English		Rocket Science
	<b>10:30-11:40</b>	English	English	Maths	Music		Maths
	<b>12:20-1:20</b>	Phys. Ed.	Manual Arts	English	RE		Japanese
<b>1:50-3:10</b>	SOSE	Rocket Science	Art	Phys. Ed.	Party		
If this is Sam's timetable, what subject will she be doing at 1 pm on a Thursday?							
Q20	Write 2.8 km in metres.					/1	
Q21	A fish tank is 50 cm long, 30 cm wide and the water is 25 cm deep. How many litres of water does it contain?					/1	

## Geometry

Q22	Draw a net for a square-based pyramid:					/1
Q23						/1
Give the latitude and longitude for Santiago, South America.						

Q24	Draw an angle of roughly 60°	/1
-----	------------------------------	----

<b>Statistics</b>		
Q25	 <p>Use the graph to the right to find:</p> <p>(a) the maximum temperature on 20th</p> <p>(b) the date with the lowest maximum temperature</p>	/2
Q26	<p>These are the birth weights (in grams) of 5 rabbits: 21, 18, 18, 20, 23</p> <p>Find the mean, median, mode and range.</p> <p>mean =                  median =                  mode =                  range =</p>	/4

<b>Probability</b>		
Q27	<p>Frances checked the weather on 100 days at Frankston. It was sunny on 27 days, cloudy on 51 days and rainy on 22 days. Based on this, what is the probability that the next day will be rainy?</p>	/1
Q28	<p>Gary checked the weather on 20 days at Frankston. It was sunny on 12 days, cloudy on 6 days and rainy on 2 days. Based on this, how many of the next 30 days are likely to be cloudy?</p>	/1
Q29	<p>Were the probabilities based on Gary's data as reliable as those based on Frances' or were they more reliable or less reliable?</p>	/1