

Level 1 Test – Knowledge

Name

60 minutes Non-calculator Scribbling paper allowed

Put marks or ticks in the right column. Multiply total by 1.33 (round up) to get a score /48

Score: /36 × 1.33 = /48

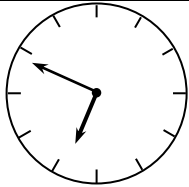
Number		
Q1	List the prime numbers between 30 and 40.	/1
Q2	Write the two meanings of $\frac{3}{8}$.	/2
Q3	Convert $\frac{8}{5}$ to a mixed number: a decimal: a percent:	/3
Q4	If you started at -7 on a number line, and went up 11, what number would you be on?	/1
Q5	Approximate 83.228×27.38 by rounding to the leading digit.	/1
Q6	Calculate 1^8 .	/1
Q7	What is $\sqrt{25}$?	/1
Q8	What is $8\frac{1}{3} - 4\frac{2}{3}$?	/1
Q9	Find $200 + 4000 \div 20$	/1

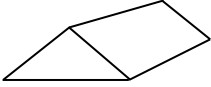
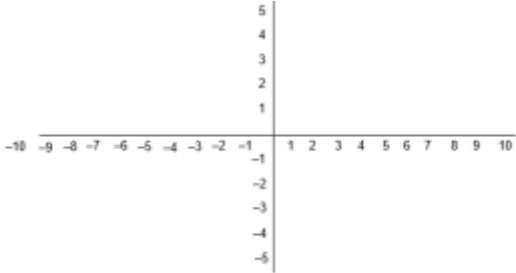
Algebra

Q10	Age of Bob's pig	0	1	2	3	4	5
	Mass	2	49	90	112	121	123
	How much weight did Bob's pig put on between age 3 and age 4?						/1
Q11	Write the relation above as a set of ordered pairs.						/2
Q12	Does the relation above have a pattern?						/1
Q13	<i>membership fee</i> = \$12 + <i>number of kids</i> × \$10. Express this relation as a graph for 1 to 6 kids.						/2
Q14	If $A = 5s^2$, find A if $s = 6$.						/1

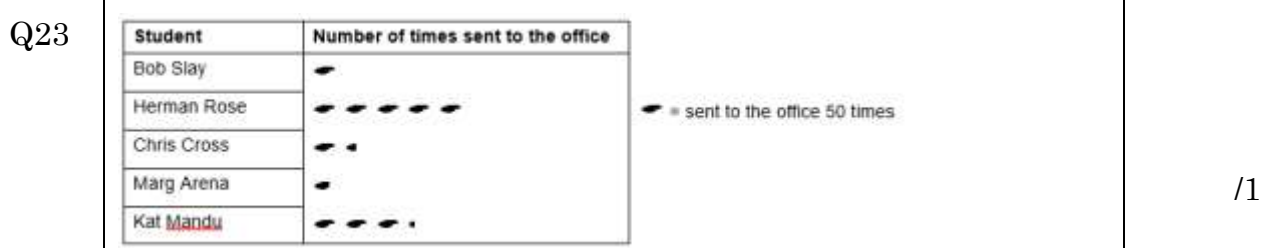
Measurement

Q15	Estimate the distance from Brisbane to Tokyo using an appropriate unit.	/1
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Q16	What is the time on this clock to the nearest minute? 	/1																																																	
Q17	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="7" style="background-color: black; color: white;">APRIL 2004</th> </tr> <tr> <th>S</th> <th>M</th> <th>T</th> <th>W</th> <th>T</th> <th>F</th> <th>S</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> </tr> <tr> <td>11</td> <td>12</td> <td>13</td> <td>14</td> <td>15</td> <td>16</td> <td>17</td> </tr> <tr> <td>18</td> <td>19</td> <td>20</td> <td>21</td> <td>22</td> <td>23</td> <td>24</td> </tr> <tr> <td>25</td> <td>26</td> <td>27</td> <td>28</td> <td>29</td> <td>30</td> <td></td> </tr> </tbody> </table> <p>On what day was 17 April 2004?</p>	APRIL 2004							S	M	T	W	T	F	S					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		/1
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Q18	Write 460 minutes in hours and minutes.	/1																																																	
Q19	A rectangle is 1.5 m by 90 cm. Find its perimeter in centimetres and its area in m ² . Perimeter = cm Area = m ²	/2																																																	

Geometry		
Q20	Draw a net for this triangular prism. 	/1
Q21	How many degrees in a revolution?	/1
Q22	<div style="display: flex; align-items: center;">  <div> <p>Mark the following points on the co-ordinate plane</p> <p>A (7, 2)</p> <p>B (-3, -4)</p> </div> </div>	/2

Statistics



Use this graph to find how many times Herman was sent to the office.

Q24 Find the mean, median, mode and range of these numbers:
7, 11, 9, 11, 7, 15
mean = median = mode = range =

Probability

Q25 To find the probability that a bite from a goanna would get infected, would it be best to use experimental data, pre-existing data, guesswork or indifference?

Q26 Bill has 10 cards numbered 1 to 10. He picks one at random. What is the probability that he picks the 10?