Calculators may be used throughout this paper
(Answers at the end of the quiz)
In a shop there are 7 jars of sweets. Each jar contains 254 sweets. How many sweets are there all together?

How did you solve it?
Answer

1778
Amanda earns £325 per week. How much does she earn in 6 weeks? Show your working.
1950
Sue reads 9 pages of a book. On each page there are 412 words. How many words does she read altogether?
Nicola boils some water. She checks the temperature of the water as it cools. Nicola plotted the results on a graph.

a) What was the temperature of the water after 8 minutes?
a) 50° C
b) How long did it take for the temperature to fall from
40° C to 30 ° C?
b) 6 mins
Question 4a

c) Tick the time period when the temperature of the water cooled most quickly

0 - 4 minutes
4 - 8 minutes
8 - 12 minutes
12 - 16 minutes
16 - 20 minutes
c) 0 – 4 mins
Question 5a

Sally collects data about her friends. Look at the results in the table.

<table>
<thead>
<tr>
<th>Name of friend</th>
<th>What is your eye colour?</th>
<th>What is your height?</th>
<th>What is your mass?</th>
<th>Do you have a pet dog?</th>
<th>How many music CD’s do you have?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ann</td>
<td>Blue</td>
<td>1.36m</td>
<td>40kg</td>
<td>X</td>
<td>8</td>
</tr>
<tr>
<td>Babs</td>
<td>Brown</td>
<td>1.38m</td>
<td>43kg</td>
<td>✓</td>
<td>10</td>
</tr>
<tr>
<td>Carol</td>
<td>Brown</td>
<td>1.41m</td>
<td>43kg</td>
<td>✓</td>
<td>14</td>
</tr>
<tr>
<td>Dave</td>
<td>Green</td>
<td>1.56m</td>
<td>50kg</td>
<td>X</td>
<td>3</td>
</tr>
<tr>
<td>Eric</td>
<td>Brown</td>
<td>1.29m</td>
<td>37kg</td>
<td>X</td>
<td>5</td>
</tr>
</tbody>
</table>

a) How much taller is Carol than Eric?
a) 12 cm
Sally collects data about her friends. Look at the results in the table.

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</table>

b) Who has brown eyes but does not have a dog?
b) Eric
Question 5b

Sally collects data about her friends. Look at the results in the table.

c) What is the mode of the mass of her friends?

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<tr>
<th>Name of friend</th>
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</table>
c) 43kg
Question 5b

Sally collects data about her friends. Look at the results in the table.

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<td>1.29m</td>
<td>37kg</td>
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</tr>
</tbody>
</table>

d) How many CD's do her friends have altogether?
d) 40
Question 6

Put these numbers in the Venn Diagram.

- Multiples of 3: 21, 99, 15
- Square Numbers: 9, 4, 100, 25
- Numbers: 49, 33, 81
This bar line chart shows how many times each number was thrown when a dice was rolled 50 times.

a) How many times was number 1 thrown?
a) 10
b) Which number was thrown 8 times?
b) 4
c) The next time you roll the dice are you more likely to roll a 5 than a 6?

Yes  [ ]  No  [ ]  (please tick one)
No
Question 7a

Give a reason for your answer for saying yes or no in the last question.

[Diagram of a bar chart showing frequency vs. number on a die]
Any appropriate reason

e.g. 1 in 6 chance of rolling 5 or 6
Calculate these angles. All the angles are on a straight line.

\[ A = \Box^\circ \]

\[ B = \Box^\circ \]

\[ C = \Box^\circ \]
Answer

\[ A = 45^\circ \]

\[ B = 110^\circ \]

\[ C = 23^\circ \]
A walk began at 09:45 and finished at 14:35.

How long did the walk last?
290 minutes
or
4 h 50 m
The sun sets at 22:00 and rises again at 05:00.

How many hours of darkness were there that night?
Answer

7 hours
Four children ran in a relay race. Here are their times for each lap.

<table>
<thead>
<tr>
<th></th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albert</td>
<td>94.5 s</td>
</tr>
<tr>
<td>Beryl</td>
<td>90.2 s</td>
</tr>
<tr>
<td>Carl</td>
<td>83.1 s</td>
</tr>
<tr>
<td>Dan</td>
<td>85.4 s</td>
</tr>
</tbody>
</table>

a) What is their total time for four laps? ____ seconds
b) Who ran the fastest lap?
c) How much quicker was Beryl than Albert?
a) 353.2 seconds
b) Carl
c) 4.3 seconds
On school trips there has to be one adult for every ten children.

a) If 70 children go to Blackpool, how many adults need to go with them?

b) If 12 adults can go on the school trip to the zoo, how many children can go?
a) 7

b) Any number between 111 and 120
16 teams played in the World Cup Finals. Each team had 23 players to choose from. How many players were there altogether?

Show your working
368
Gerry picked 18 baskets of strawberries. Each basket contained 36 strawberries. How many strawberries had he picked altogether?

Show your working
There are 36 children in a class. The teacher bought every child a chocolate bar costing 32p. How much money did the teacher spend?

Show your working.
£11.52
Tommy buys one music CD every week. Each CD costs £16. How much does Tommy spend in one year?

Show your working.
Answer

£832
Question 17

Use a calculator to help you complete these number sentences. Put the operation signs + - x ÷ in the boxes.

a) 43 □ 63 = 2709  
   □  

b) 1792 □ 56 = 32  
   □  

c) 5487 □ 5232 = 255  
   □  

d) 2341 □ 23 = 2364  
   □  

e) 10 □ 17 = 85 □ 2  
   □  

f) 10 □ 24 = 680 □ 20  
   □  
Answer

a) $43 \times 63 = 2709$

b) $1792 \div 56 = 32$

c) $5487 - 5232 = 255$

d) $2341 + 23 = 2364$

e) $10 \times 17 = 85 \times 2$

f) $10 + 24 = 680 \div 20$
Calculator Activities: Find the numbers to complete these sentences.

a) $987 \div \square = 329$

b) $25 \times \square = 1400$

c) $222 \div 74 = \square$

d) $56.8 \times \square = 284$
a) $\frac{987}{3} = 329$

b) $25 \times 56 = 1400$

c) $\frac{222}{74} = 3$

d) $56.8 \times 5 = 284$
How many seconds are there in the month of June?

Show your working.
2592000 seconds
<table>
<thead>
<tr>
<th>Question</th>
<th>N. C. Level</th>
<th>Answer</th>
<th>Marks</th>
<th>Total Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4B</td>
<td>1778</td>
<td>Correct answer – 2 marks</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Correct method – 1 mark</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>4B</td>
<td>1950</td>
<td>Correct answer – 2 marks</td>
<td>2</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Correct method – 1 mark</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>4B</td>
<td>3708</td>
<td>Correct answer – 2 marks</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Correct method – 1 mark</td>
<td></td>
</tr>
</tbody>
</table>
| 4        | 4A          | a) 50°C  
b) 6 mins  
c) 0 – 4 mins | All correct – 2 marks  
2 correct - 1 mark | 2           |
| 5        | 4B          | a) 12cm  
b) Eric  
c) 43kg  
d) 40 | All correct – 2 marks  
3 correct – 1 mark | 2           |
| 6        | 4A          | a) 49 – square number  
b) 33 – multiple of 3  
c) 81 both | All correct – 1 mark | 1           |
<table>
<thead>
<tr>
<th>Question</th>
<th>Option</th>
<th>Answer</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>7a, b</td>
<td>4A</td>
<td>a) 10  b) 4</td>
<td>Both correct – 1 mark</td>
</tr>
<tr>
<td>7c</td>
<td>4A</td>
<td>No – any appropriate reason e.g. 1 in 6 chance of rolling 5 or 6</td>
<td>No and reason – 2 marks Just ticked No – 0 marks</td>
</tr>
<tr>
<td>8</td>
<td>4C</td>
<td>a) 45°  b) 110°  c) 23°</td>
<td>All correct – 2 marks 2 correct – 1 mark</td>
</tr>
<tr>
<td>9</td>
<td>4B</td>
<td>290 minutes or 4 hours 50 minutes</td>
<td>2 marks</td>
</tr>
<tr>
<td>10</td>
<td>4B</td>
<td>7 hours</td>
<td>1 mark</td>
</tr>
<tr>
<td>11</td>
<td>4A</td>
<td>a) 353.2 seconds  b) Carl  c) 4.3 seconds</td>
<td>All correct – 2 marks 2 correct – 1 mark</td>
</tr>
<tr>
<td>12a</td>
<td>5C</td>
<td>7</td>
<td>1 mark</td>
</tr>
<tr>
<td>12b</td>
<td>5C</td>
<td>Any number between 111 and 120</td>
<td>1 mark</td>
</tr>
<tr>
<td>13</td>
<td>4A</td>
<td>368</td>
<td>Correct answer – 2 marks Correct method – 1 mark</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
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</tr>
</tbody>
</table>
| 14 | 4A | 648 | Correct answer – 2 marks  
Correct method – 1 mark | 2 |
| 15 | 4A | £11.52 | Correct answer – 2 marks  
Correct method – 1 mark | 2 |
| 16 | 4A | £832 | Correct answer – 2 marks  
Correct method – 1 mark | 2 |
| 17 | 5C | a) x  
b) ÷  
c) –  
d) +  
e) x, x  
f) +, ÷ | All correct – 3 marks  
4–5 correct – 2 marks  
Less than 4 – 0 marks | 3 |
| 18 | 5C | a) 3  
b) 56  
c) 3  
d) 5 | All correct – 2 marks  
2 or 3 correct – 1 mark | 2 |
| 19 | 5B | 2592000 | Correct answer – 3 marks  
Correct method – 2 marks | 3 |
## Y5 Block 3 Assessments Sections A & B

**Guide to Levels**

<table>
<thead>
<tr>
<th>B3</th>
<th>3C</th>
<th>3B</th>
<th>3A</th>
<th>4C</th>
<th>4B</th>
<th>4A</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>0–12</td>
<td>13–19</td>
<td>20–27</td>
<td>28–35</td>
<td>36–43</td>
<td>44–51</td>
<td>52–59</td>
<td>60–69</td>
</tr>
</tbody>
</table>

Total Marks A + B = 69
Click here for the printable student test paper for Year 5 Blobk 3 Test.
Thank You

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http://www.wiganschoolsonline.net/curriculum/maths/assess.shtm

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