Year 6
Block 1 Assessment
Paper 1
(Answers after each question)
Question 1

Write the missing numbers in these number sequences.

a) 78 75 __ 69 __

b) __ 2 4 8 16 __

c) 7 11 __ 19
   12 16 20 __

d) 0.6 1.3 2.0 __
Question 2

Calculate the missing numbers.

a) $7 \times \square = 56$

b) $6 \times \square = 66$

c) $\square \times 13 = 39$

d) $9 \times 12 = \square$
a) \( 7 \times 8 = 56 \)  

b) \( 6 \times 11 = 66 \)  

c) \( 3 \times 13 = 39 \)  

d) \( 9 \times 12 = 108 \)
Calculate:

a) $58 \times 6$

b) $47 \times 7$

c) $124 \times 3$

d) $67 \times 9$
a) 348
b) 329
c) 372
d) 603
Question 4

Calculate:

a) $63 \div \square = 9$

b) $144 \div 36 = \square$

c) $339 \div 3 = \square$
a) $63 \div \boxed{7} = 9$

b) $144 \div 36 = \boxed{4}$

c) $339 \div 3 = \boxed{113}$
12 bars of chocolate costs £3.00. What is the cost of each chocolate bar?
Answer

25p
Question 6

This chart shows the temperatures recorded at noon for some world cities. Which two cities had a difference of 25°C?

<table>
<thead>
<tr>
<th>City</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sydney</td>
<td>29°C</td>
</tr>
<tr>
<td>Paris</td>
<td>22°C</td>
</tr>
<tr>
<td>London</td>
<td>13°C</td>
</tr>
<tr>
<td>Oslo</td>
<td>5°C</td>
</tr>
<tr>
<td>Moscow</td>
<td>-12°C</td>
</tr>
</tbody>
</table>
London & Moscow
Question 7a

The answers to the questions are in the number grid.

a) Which two numbers have a difference of 42?

<p>| | | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>47</td>
<td>48</td>
<td>49</td>
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<td>67</td>
<td>68</td>
<td>69</td>
</tr>
<tr>
<td>87</td>
<td>88</td>
<td>89</td>
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</tbody>
</table>
a) 89 & 47
b) Which number is a multiple of 8 and 11?

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<tr>
<th></th>
<th>47</th>
<th>48</th>
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<td>87</td>
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<td>89</td>
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</table>
b) 88
c) Which number is a square number?

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<td>87</td>
<td>88</td>
<td>89</td>
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</tbody>
</table>
c) 49
The answers to the questions are in the number grid.

d) Which two numbers have the sum of 156?

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<tbody>
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<td>47</td>
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<td>67</td>
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<td>69</td>
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<tr>
<td>87</td>
<td>88</td>
<td>89</td>
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</tbody>
</table>
d) 87 & 69
or
68 & 88
or
67 & 89
The answers to the questions are in the number grid.
e) Which number can be divided by 9 with a remainder of 8?

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<tr>
<td>67</td>
<td>68</td>
<td>69</td>
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<tr>
<td>87</td>
<td>88</td>
<td>89</td>
</tr>
</tbody>
</table>
e) 89
a) How much would Milk shake and Fries cost?
a) £1.40
b) What would be the total cost if 4 children each buy a Beefburger and a Coke?
b) £6.68
c) How much more does a Cheeseburger cost than a Hot Dog?
c) 61p
d) How much change from £2 would you get if you bought a Hot Dog and a coke?
d) 73p
Question 9

Sam is 104 cm tall
He has a mass of 27 kg

Amy

Jack is 177 cm tall
He has a mass of 62 kg

Jack is 19 cm taller than Amy.
Sam has half the mass of Amy.

a) How tall is Amy?
b) Calculate Amy’s mass
a) 158 cm

b) 54 kg
Place these numbers on the number line using arrows.

Question 10

Place these numbers on the number line using arrows.

4.9 5.0 5.1

a) 4.95 4.896 5.125 5.091 4.982
Answer
Question 10

Round these numbers to the nearest whole number.

b) 24.7 _________

c) 36.68 _________

d) 135.39 _________
b) 25

c) 37

d) 135
a) How much would a football and dart board cost?
a) £22.40
b) How much would 8 pair of football boots cost?
Answer

b) £122
c) How many baseball caps can you buy for £10?
How much change?
c) 5, £1.25
d) Could you buy one of each for £50?
d) no
John woke up and looked at his watch. This is what it showed.

Draw this time on the clock opposite.
Answer

The clock shows the time as 6:00.
b) The clock outside school shows the time. Write this time in words:
b) five to nine
or
eight fifty five
c) John set off for home at half past three in the afternoon.

Write what it shows on his digital watch.
c) 3:30

or

15:30
Write this fraction in its simplest form.

\[
\frac{4}{12} = \frac{\square}{3}
\]
\[
\frac{4}{12} = \frac{1}{3}
\]
Calculate the following.

a) 12.5 \times 6

b) 42.3 \times 7

c) 36.9 \div 9

d) 80.5 \div 5
Answer

a) 75
b) 296.1
c) 14.1
d) 16.1
Measure these angles to the nearest degree.

Angle ‘a’ is °

Angle ‘b’ is °
Angle a) 108°

Angle b) 72°
a) Look at the triangle.

What is the value of angle X?
Answer

a) 56°
b) What is the value of angle $Y$?
b) 140°
Question 17

Match each shape to its number of lines of symmetry.
Answer
The Local Swimming Baths

**Opening Times**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday to Friday</td>
<td>7.30 am to 9.00 pm</td>
</tr>
<tr>
<td>Saturday</td>
<td>9.00 am to 4.30 pm</td>
</tr>
<tr>
<td>Sunday</td>
<td>9.00 am to noon</td>
</tr>
</tbody>
</table>

How many hours are the baths open
a) On Wednesday?
b) On Sunday?
a) $13\frac{1}{2}h$

b) 3 h
The Local Swimming Baths

ADULTS
£1.80

CHILD
90p

How much would it cost for 2 adults and 3 children to swim?
£6.30
Year 6 collected the results about where they had been for their summer holidays.

a) How many children travelled to France?
a) 12
Question 19b

b) How many more children had holidays in the UK than in the USA?
b) 7
Question 20

This chart shows the number of people who visited a Sports Centre on three days.

<table>
<thead>
<tr>
<th>DAY</th>
<th>SWIMMING</th>
<th>SQUASH</th>
<th>NETBALL</th>
</tr>
</thead>
<tbody>
<tr>
<td>MONDAY</td>
<td>100</td>
<td>42</td>
<td>14</td>
</tr>
<tr>
<td>TUESDAY</td>
<td>65</td>
<td>35</td>
<td>14</td>
</tr>
<tr>
<td>WEDNESDAY</td>
<td>25</td>
<td>31</td>
<td>14</td>
</tr>
</tbody>
</table>

a) How many people went swimming on Wednesday?

b) How many people visited the centre on Monday

c) How many people played squash on the three days?
a) 25
b) 156
c) 108
<table>
<thead>
<tr>
<th>Question</th>
<th>N.C. Level</th>
<th>Answer</th>
<th>Mark</th>
</tr>
</thead>
</table>
| 1.       | 4b         | a) 72, 66  
         |            | b) 1, 32  
         |            | c) 15, 24  
         |            | d) 2.7    | 1 mark for each correct (4) |
| 2.       | 4b         | a) 8     
         |            | b) 11    | 1 mark for each correct (4) |
|          |            | c) 3     
         |            | d) 108   | |
| 3.       | 4b         | a) 348   
         |            | b) 329   | 1 mark for each correct (4) |
|          |            | c) 372   
         |            | d) 603   | |
| 4.       | 4b         | a) 7     
<pre><code>     |            | b) 4     | 1 mark for each correct (3) |
</code></pre>
<p>|          |            | c) 113   |        | |
| 5.       | 4b         | 25p     | 1 mark |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th>London &amp; Moscow</th>
<th>2 marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.</td>
<td>5a</td>
<td>a) 89 &amp; 47, b) 88, c) 49, d) 87 &amp; 69 or 68 &amp; 88 or 67 &amp; 89, e) 89</td>
<td>1 mark for each correct (5)</td>
</tr>
<tr>
<td>7.</td>
<td>4b</td>
<td>a) £1.40, b) £6.68, c) 61p, d) 73p</td>
<td>a) 1 mark, b) 2 marks, c) 1 mark, d) 2 marks</td>
</tr>
<tr>
<td>8.</td>
<td>4c</td>
<td>a) 158 cm, b) 54kg</td>
<td>1 mark for each correct (2)</td>
</tr>
<tr>
<td>9.</td>
<td>5b</td>
<td>a) numbers correctly positioned on the line b) 25, c) 37, d) 135</td>
<td>a) 2 marks, b-d) 2 marks for all correct 1 for at least 2</td>
</tr>
</tbody>
</table>
| 11. | 4a | a) £22.40  
b) £122  
c) 5, £1.25  
d) no  |
|-----|----|----------------------------------|
|     |    | a) 1 mark  
b) 1 mark  
c) 2 marks  
d) 2 marks |
| 12. | 4a | a) hands in correct position  
b) five to nine or eight fifty five  
c) 3:30 or 15:30 |
|     |    | 1 mark for each correct (3) |
| 13. | 5b | 1/3  |
|     |    | 1 mark |
| 14. | 4a | a) 75  
b) 296.1  
c) 14.1  
d) 16.1 |
|     |    | 1 mark for each correct (4) |
| 15. | 5c | a) 108°  
b) 72° |
<p>|     |    | 2 marks |</p>
<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>16.</td>
<td>5c</td>
<td>a) 56°  b) 140°</td>
<td>2 marks</td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td>5c</td>
<td>Shapes correctly matched</td>
<td>1 mark for 3 or more correctly matched</td>
<td></td>
</tr>
<tr>
<td>18.</td>
<td>4c/b</td>
<td>1a) 13½h  b) 3 h  2. £6.30</td>
<td>2 marks  1 mark</td>
<td></td>
</tr>
<tr>
<td>19.</td>
<td>4c</td>
<td>a) 12  b) 7</td>
<td>1 mark for each correct(2)</td>
<td></td>
</tr>
<tr>
<td>20.</td>
<td>4c</td>
<td>a) 25  b) 156  c) 108</td>
<td>1 mark for each correct(3)</td>
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</tr>
<tr>
<td>Draft Level</td>
<td>Threshold</td>
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<tr>
<td>5c</td>
<td>60 +</td>
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<tr>
<td>4A</td>
<td>48 +</td>
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<tr>
<td>4B</td>
<td>34 +</td>
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<td></td>
<td></td>
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<tr>
<td>4C</td>
<td>22 +</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>3A</td>
<td>16 +</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3B</td>
<td>10 +</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3C</td>
<td>7 +</td>
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<tr>
<td>N</td>
<td>Below 7</td>
<td></td>
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</tbody>
</table>
Click here for the printable Student Year 6 Block 1 test.
References and additional resources.

The questions and ideas for this PowerPoint came from:
Wigan LEA Numeracy Centre
Year 1 Block 1 Assessment

Thank You

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All the planning for this unit can be found at:
http://www.wiganschoolsonline.net/curriculum/maths/assess.shtm

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