NAPLAN 2009

Year 5 Numeracy Questions

Dimension: Number - Difficulty Order
2  \[38 + 26 = \]
6. Which one of these has the same value as $12 \times 3$?

1. $10 + 3 + 2$
2. $10 \times 3 + 2$
3. $10 \times 3 + 3$
4. $10 \times 3 + 6$
<table>
<thead>
<tr>
<th>Name</th>
<th>Distance in metres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peter</td>
<td>13</td>
</tr>
<tr>
<td>Ali</td>
<td>10</td>
</tr>
<tr>
<td>Sam</td>
<td>6</td>
</tr>
<tr>
<td>Ella</td>
<td>12</td>
</tr>
<tr>
<td>Jo</td>
<td>14</td>
</tr>
</tbody>
</table>

What is the difference in metres between the longest and the shortest bean bag throws?

6  7  8  9
Clare bought 3 kg of bananas.

$1.98 per kg

About how much did Clare pay?

$2  $3  $5  $6
Peter has 68 stamps. Laura has 52 stamps.

How many stamps should Peter give to Laura so they both have the same number of stamps?

8  16  60  120
A group of students paid $4 each to see a show. Altogether the group paid $124.

How many students were in the group?

30  31  34  51
Eight children share 2 pies equally.
How much pie will each child get?

\[
\begin{array}{cccc}
\frac{1}{2} & \frac{1}{4} & \frac{1}{8} & \frac{1}{16}
\end{array}
\]
17 Lin is packing 34 cakes into boxes. Each full box holds 5 cakes. What is the smallest number of boxes Lin needs to pack all the cakes?
Dan shaded a fraction of this long rectangle.

Which grid shows the same fraction shaded?
The population of Australia in 1950 was 8.27 million. The population of Australia in 2000 was 19.16 million.

What is the difference in number between these two populations?

[ ] million
A baker made a total of 175 rolls on the weekend. She made 15 more rolls on Saturday than on Sunday.

How many rolls were made on Sunday?  

NAPLAN 2009

Year 5 Numeracy Questions

Dimension: Space- Difficulty Order
A regular hexagon is cut in half like this.

The shape of each half is a

rectangle.  pentagon.  hexagon.  trapezium.
This 3D object is a
- cube.
- prism.
- cylinder.
- pyramid.
Which shows the map of Australia flipped over the dotted line?
Which 3D object can be made from this net?
Hannah folds this net to make a cube.

Which face is opposite face C?
Which shows a reflex angle?

Shade one bubble.
26. Which shape has no parallel sides?
The total number of faces, edges and vertices of this 3D object is 26.

What is the total of the number of faces, edges and vertices of a square pyramid?

13  16  18  20
Jenny leaves the Library and turns right into High Street.
She then turns left at the next corner and walks straight ahead.
Which building does she pass?

School  Hospital  Police Station  Town Hall
Carl builds this 3D object using 16 cubes. He then paints the outside faces of the object including the base.

How many cubes have only 2 faces painted?
27 Sam cut 2 corners off a cube as shown.

How many edges does the object now have?
NAPLAN 2009

Year 5 Numeracy Questions

Dimension: Measurement, Chance & Data
- Difficulty Order
Andy spins the arrow on his spinner.

Which number is the arrow most likely to stop on?
The minute hand is missing.

What time could this clock be showing?

- 4 o’clock
- half past 4
- 5 o’clock
- half past 5
### OCTOBER

<table>
<thead>
<tr>
<th>Sun</th>
<th>Mon</th>
<th>Tues</th>
<th>Wed</th>
<th>Thurs</th>
<th>Fri</th>
<th>Sat</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
</tr>
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<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What date is the third Sunday on this calendar?

- 27 October
- 20 October
- 13 October
- 6 October
Anita recorded the weather for 2 weeks in the table below.

<table>
<thead>
<tr>
<th></th>
<th>Sun</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

She then drew a graph of the results.

Which graph shows Anita’s results for the 2 weeks?
12 Which container has the least liquid?
This is a train timetable.

<table>
<thead>
<tr>
<th></th>
<th>6:20 am</th>
<th>9:50 am</th>
<th>2:52 pm</th>
<th>7:00 pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rainer</td>
<td>6:31 am</td>
<td>10:01 am</td>
<td>3:03 pm</td>
<td>7:11 pm</td>
</tr>
<tr>
<td>Bradford</td>
<td>6:43 am</td>
<td>10:13 am</td>
<td>3:15 pm</td>
<td>7:23 pm</td>
</tr>
<tr>
<td>St Marks</td>
<td>6:53 am</td>
<td>10:23 am</td>
<td>3:25 pm</td>
<td>7:33 pm</td>
</tr>
</tbody>
</table>

What time does the last morning train depart from Central?
22

A rectangular paddock has a perimeter of 50 metres. Each long side has a length of 15 metres.

What is the length of each short side?

[ ] metres
This picture shows the number of black and white jelly beans in 4 jars. Annie shakes the jars. Annie is going to take 1 jelly bean without looking.

Which jar gives Annie the best chance of taking a black jelly bean?
George started in a fun run at 11:36 am. He finished at 12:19 pm on the same day.

How long did it take George to complete the fun run?

- 43 minutes
- 55 minutes
- 1 hour 23 minutes
- 1 hour 17 minutes
Which measurement is equal to 1500 centimetres?

0.15 m  1.5 m  15 m  150 m
Which shape has an area of 6 square units?
Keith has 4 dogs and a 20 kg bag of dog food. Each dog eats 100 g of dog food a day.

How many days will the bag of dog food last?

5 days  20 days  50 days  200 days
40 students each voted for their favourite sport.
The fractions in this graph show how the students voted.

Favourite Sports

1/10 Tennis
1/5 Basketball
3/10 Swimming
1/5 Cricket
1/5 Gymnastics

How many more students voted for Swimming than Tennis?

___ students
NAPLAN 2009

Year 5 Numeracy Questions

Dimension: Structure
- Difficulty Order
8 46, 40, 34, ?

What is the next number in this counting pattern?

26  28  30  38
The first balance shows that 2 cans have the same mass as 1 block.

How many cans balance 2 blocks and 1 can?

3  4  5  6
How many sticks are needed to make the 6th shape in this pattern?

13  18  19  24
There are 121 students in Jane’s school. There are between 21 and 26 students in each class.

How many classes are there in Jane’s school?

4 5 6 7
Points are scored for each medal won in a competition.

<table>
<thead>
<tr>
<th>Medal</th>
<th>Points per medal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold</td>
<td>3</td>
</tr>
<tr>
<td>Silver</td>
<td>2</td>
</tr>
<tr>
<td>Bronze</td>
<td>1</td>
</tr>
</tbody>
</table>

The Rockets won a total of 16 medals and scored 36 points. 6 of their medals were Silver.

How many Gold medals did the Rockets win?
These pages are included for classroom use to familiarise the children with the beginning and end of the booklet.
END OF TEST