Minimum Standard Numeracy Test

Sample Questions

1. Four friends are playing a video game. Their final scores are shown below.

<table>
<thead>
<tr>
<th>Name</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dan</td>
<td>87 778</td>
</tr>
<tr>
<td>Sue</td>
<td>78 877</td>
</tr>
<tr>
<td>Marie</td>
<td>87 088</td>
</tr>
<tr>
<td>Peter</td>
<td>78 788</td>
</tr>
</tbody>
</table>

Who has the highest score?

- Dan
- Sue
- Marie
- Peter

Level: 1. Answer: A
2. A student is making a duffle bag.

Which combination of shapes would be used to construct this bag (excluding the handles)?

- A and C
- B and A
- B and D
- C and D

Level: 1. Answer: A

3. A group of people were surveyed about their favourite pizza toppings. The results are shown in the pictograph.

<table>
<thead>
<tr>
<th>Topping</th>
<th>Pictograph</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cheese</td>
<td></td>
</tr>
<tr>
<td>Mushroom</td>
<td></td>
</tr>
<tr>
<td>Sausage</td>
<td></td>
</tr>
<tr>
<td>Pepperoni</td>
<td></td>
</tr>
</tbody>
</table>

Key: = 5 people

How many people were surveyed?

- 20
- 21
- 100
- 105

Level: 1. Answer: C
4. Fred notices that it is a quarter to five in the afternoon. He tries to find this time on a train timetable which is written in 24-hour time. How would this time be written on the timetable?

- 04:45
- 05:25
- 16:45
- 16:75

Level: 1. Answer: C

5. Which two temperatures are closest to each other?

- -6°C and -3°C
- -2°C and 3°C
- 2°C and 6°C
- -3°C and 3°C

Level: 2. Answer: A

6. A music clip was 4:00 minutes long.

If the music clip was paused at 40%, what time (in minutes and seconds) should be shown in the box?

- 1:00
- 1:36
- 2:00
- 2:24

Level: 2. Answer: B
7. A family travelled from Sydney to Newcastle. The graph represents how far they were from Sydney at any time. On the way they stopped for a milkshake and later for lunch.

Which point on the graph (A, B, C or D) represents the end of their lunch break?

- A  - B  - C  - D

Level: 2. Answer: C

8.

Cory just got off the bus station on Main St. In what direction does he have to walk to get to the County Hospital?

- North  - South  - East  - West

Level: 2. Answer: C
9.

15% of 1.5 tonnes =

- 22.5 kg
- 100 kg
- 225 kg
- 1000 kg

Level: 3. Answer: C

10.

What is a rule that links n and T?

<table>
<thead>
<tr>
<th>n</th>
<th>1</th>
<th>3</th>
<th>5</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
<td>4</td>
<td>10</td>
<td>16</td>
<td>22</td>
</tr>
</tbody>
</table>

- T = 3n + 1
- T = 6n - 2
- n = 3T + 1
- n = 6T - 2

Level: 3. Answer: A

11.

A family has stopped at a petrol station to get petrol. The car's tank is empty and its capacity is 42 L. Petrol is 127.78c per litre at this petrol station and they want to fill their tank.

What is the best approximate cost of filling up the car?

- $48
- $52
- $60
- $65

Level: 3. Answer: B
12.

The dot plot shows the customers’ scores on their satisfaction with the service provided by a phone company.

![Dot plot of satisfaction scores](image)

What is the median score?

- 0
- 2
- 3
- 5

**Level: 3. Answer: B**

13.

Edward is walking in a northerly direction along Pitt St towards Main St.

When he reaches Main St, he turns right.

Then he turns left into the next street and left again into the next street.

![Map of street directions](image)

What direction will Edward be facing?

- North
- South
- East
- West

**Level: 3. Answer: D**
14. Shastri works for a local grocer. She receives a $50 note from a customer as payment for:

<table>
<thead>
<tr>
<th>Item</th>
<th>Price per Kilogram</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 grams of tomatoes</td>
<td>$3 a kilogram</td>
<td>1</td>
</tr>
<tr>
<td>100 grams of mushrooms</td>
<td>$7 a kilogram</td>
<td>1</td>
</tr>
<tr>
<td>250 grams of strawberries</td>
<td>$10 a kilogram</td>
<td>1</td>
</tr>
</tbody>
</table>

What is the correct change that Shastri should give back to the customer?  

- $30.00
- $34.70
- $40.25
- $45.30

*Level: 4. Answer: D*

15. Stan scored an average of 80 marks for 3 tests. He scored 20 marks more for Science than for Maths. For History, he scored 5 marks less than for Maths.

What was his Maths score?

- 55
- 60
- 70
- 75

*Level: 4. Answer: D*

16. A room measures 4 m by 5 m with a 3 m high ceiling. In it there are two windows, each 1 m × 1.5 m and a door 1 m × 2.5 m. The walls are to be painted.

What is the total area to be painted, in m²?

- 48.5
- 50
- 54
- 54.5

*Level: 4. Answer: A*
17. Michelle has an average score of 70 for three tests.

What must she score on the next test to increase her average to 74?

- 74
- 78
- 82
- 86

Level: 4. Answer: D

18. Alex is travelling from Town A to Town B. Her map has a scale of 1:100000. She uses a ruler to measure the distance between the two towns. The distance on the map is 2.6 cm.

How far does Alex have to travel?

- 2.6 km
- 26 m
- 26 km
- 260 m

Level: 4. Answer: A