

## Sample TEMT Questions

### Question N1

53.08 x 100 equals

- 0.5308
- 53.0800
- 5300.08
- 5308

### Question N2

The number 0.4 expressed as a fraction is

- $\frac{1}{4}$
- $\frac{2}{5}$
- $\frac{4}{5}$
- $\frac{4}{100}$

### Question N3

2495 + 7607 equals

- 9092
- 10102
- 91912
- 910912

### Question N4

5000 – 1093 equals

- 3907
- 3917
- 4017
- 4093
- 4907

### Question N5

12.3 ÷ 0.15 has the same answer as

- 123 ÷ 0.015
- 123 ÷ 1.5
- 123 ÷ 15
- 123 ÷ 150

**Question N6**

$\frac{4}{5} + \frac{1}{3}$  equals

- $\frac{5}{8}$
- $\frac{5}{15}$
- $\frac{17}{15}$
- $\frac{23}{15}$

**Question N7**

The normal price of a refrigerator is \$860. The price is reduced by 5%. What is the cost of the refrigerator now?

- \$430
- \$688
- \$817
- \$855

**Question N8**

What are the next 3 terms in the following arithmetic sequence?

16, 13, 10, 7, ..., ..., ...

- 4, 1,  $\frac{1}{3}$
- 4, 1, 0
- 4, 1, -2
- 4, 1, -3

**Question N9**

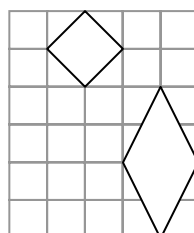
Which one of the following statements is **false**?

- The sum of two negative numbers is a negative number.
- The sum of two positive numbers is a positive number.
- The product of two negative numbers is a negative number.
- The product of two positive numbers is a positive number.

**Question S1**

Which term **cannot** be used to describe **either** of the two shapes on the grid?

- parallelogram
- quadrilateral
- rhombus
- square
- trapezium

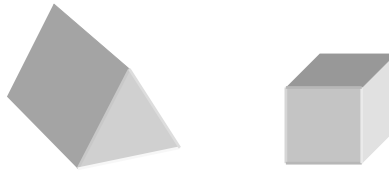


### Question S2

Students in a Year 6 class are asked to list the number of vertices (V), the number of faces (F) and the number of edges (E) for various solids.

Which one of the following rules is **true** for the two solids shown?

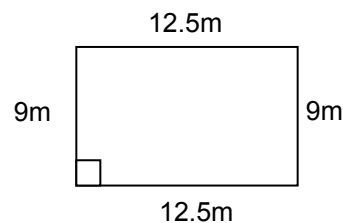
- $V + F = E + 2$
- $V + F = E - 2$
- $V - F = E + 2$
- $V - F = E - 2$



### Question M1

What is the area of this rectangle in square metres?

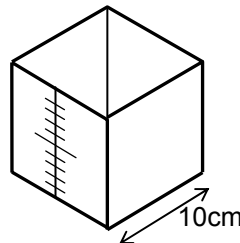
- 21.5
- 43
- 108
- 108.45
- 112.5



### Question M2

Michael poured 1 litre of water into a cubic container with side length 10 cm. How full was the cube?

- one hundredth
- one tenth
- one half
- full to the top
- over-flowing



### Question M3

Amanda is practising “telling the time” with her class of 6 year olds. The children call the time after each turn of the hour hand on an analogue clock. Amanda turns the hands 5 minutes forward, 10 minutes backwards, half an hour backwards, and 10 minutes forwards.

What single turn should Amanda do **to return the clock** to its original starting time?

- 25 minutes clockwise
- 25 minutes anti-clockwise
- 35 minutes clockwise
- 35 minutes anti-clockwise
- 55 minutes clockwise

**Question M4**

Jill was born on Thursday May 1, 1952 and her friend Louise was born on the Thursday before that. When was Louise born?

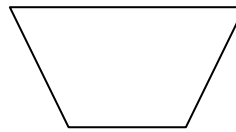
- April 23
- April 24
- April 25
- April 28
- April 29

May 1952						
S	M	Tu	W	Th	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	31

**Question M5**

What is the sum of the interior angles of this figure?

- $180^\circ$
- between  $180^\circ$  and  $360^\circ$
- $360^\circ$
- greater than  $360^\circ$



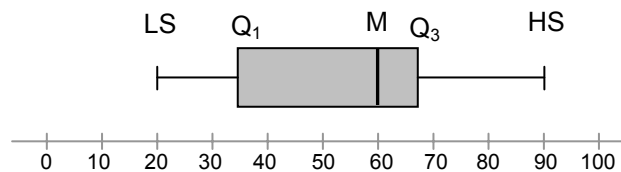
**Question C1**

Rita says the probability that there is a queue when she reaches her supermarket check-out counter is 0.8. How many times does she expect to queue in the next 20 times she visits the supermarket?

- 4
- 8
- 12
- 16
- 20

**Question C2**

The simple box plot drawn below shows five summary statistics for a large set of data: the lowest score (LS), the highest score (HS), the median (M), the lower quartile ( $Q_1$ ) and the upper quartile ( $Q_3$ ).



Which score has 50% of the data below it?

- 45
- 50
- 55
- 60
- 68

**Question A1**

Consider the algebraic statement  $a + b + c = a + b + 9$ . What can you conclude?

- This can never be true.
- This is always true.
- This is true if  $c = 3$ .
- This is only true if  $c = 9$ .
- This is true if  $a = 0$  and  $b = 0$ .

**Question A2**

If  $2x + 3 = 5x - 12$ , what is the value of  $x$ ?

- $x = -5$
- $x = -3$
- $x = -\frac{9}{7}$
- $x = 3$
- $x = 5$