

# Test 14

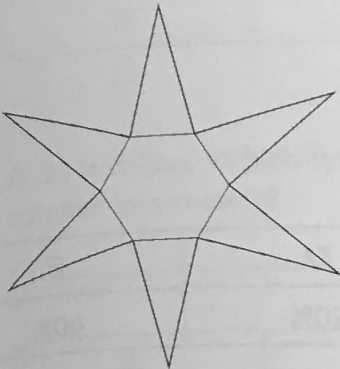
You have 10 minutes to complete this test.

You have 10 questions to complete within the given time.



Circle the letter next to the correct answer.

- ① Which 3D shape can be made from this net?



|          |                      |
|----------|----------------------|
| <b>A</b> | Octagonal prism      |
| <b>B</b> | Hexagonal pyramid    |
| <b>C</b> | Hexagonal prism      |
| <b>D</b> | Square-based pyramid |
| <b>E</b> | Tetrahedron          |

- ② The Blake family use the formula below to calculate how long each member of the family is allowed to watch television per day.

$$\text{Age} \times 2 + 10 \text{ minutes}$$

If Mrs Blake is allowed to watch 82 minutes of television per day, how old is she?

| <b>A</b> | <b>B</b> | <b>C</b> | <b>D</b> | <b>E</b> |
|----------|----------|----------|----------|----------|
| 42       | 32       | 40       | 31       | 36       |

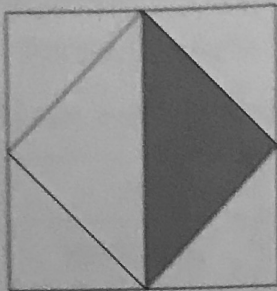
Questions continue on next page

- 3 A concert begins at 11.45 am and lasts for 2 hours and 20 minutes.

At what time does the concert finish?

| A       | B       | C       | D       | E        |
|---------|---------|---------|---------|----------|
| 2.05 am | 1.45 pm | 2.05 pm | 1.43 pm | 12.45 pm |

- 4 The figure below shows a square divided into 6 isosceles triangles.



What percentage of the area of the square is shaded?

| A   | B   | C   | D   | E   |
|-----|-----|-----|-----|-----|
| 25% | 75% | 50% | 20% | 40% |

- 5 Which word completes the sentence below?

'4.2 rounded to the nearest whole number is the same as 3.965 rounded to the nearest.....'

| A         | B   | C          | D     | E        |
|-----------|-----|------------|-------|----------|
| hundredth | ten | thousandth | tenth | hundreds |

- 6 The temperature inside a conservatory is  $14^{\circ}\text{C}$ , while the temperature outside is  $-8^{\circ}\text{C}$ .

What is the difference in temperature?

| A                    | B                    | C                   | D                    | E                    |
|----------------------|----------------------|---------------------|----------------------|----------------------|
| $22^{\circ}\text{C}$ | $12^{\circ}\text{C}$ | $6^{\circ}\text{C}$ | $10^{\circ}\text{C}$ | $23^{\circ}\text{C}$ |

- 7 What is the mean of the 4 smallest positive whole numbers?

| A   | B   | C | D | E   |
|-----|-----|---|---|-----|
| 2.5 | 3.5 | 2 | 4 | 1.5 |

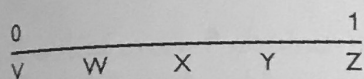
8 This table gives conversions for different measurements.

| Imperial |         | Metric    |
|----------|---------|-----------|
| 1 in     |         | 2.54 cm   |
| 1 ft     | 12 in   | 0.3048 m  |
| 1 yd     | 3 ft    | 0.9144 m  |
| 1 mile   | 1760 yd | 1.6093 km |

How many inches (in) are there in 3 yards (yd)?

| A  | B | C   | D  | E  |
|----|---|-----|----|----|
| 12 | 9 | 108 | 96 | 48 |

9 A die is rolled. Which letter on the number line is closest to the probability of scoring a number less than 4?



| A | B | C | D | E |
|---|---|---|---|---|
| W | Z | X | Y | V |

10 Harry thinks of a number, multiplies by 2 and then by 100. His answer is 250.

What number did he start with?

| A   | B  | C   | D   | E    |
|-----|----|-----|-----|------|
| 2.5 | 25 | 150 | 125 | 1.25 |