

QUESTION 7

The product of the expression below is 100.
The missing number in the square bracket is raised to the power 2.

$$2 \times 2 \times [\text{---}]^2$$

What is the missing number?

- | | | | |
|----|---|----|---|
| A. | 4 | B. | 5 |
| C. | 6 | D. | 7 |

QUESTION 8

The value of $\frac{3}{5} \div \frac{7}{8}$ is

- | | | | |
|----|-----------------|----|-----------------|
| A. | $\frac{11}{24}$ | B. | $\frac{19}{30}$ |
| C. | $\frac{24}{35}$ | D. | $\frac{21}{40}$ |

QUESTION 9

Peter bought 5 metres of white fabric and cut it into two pieces in the ratio 3 : 7.

What is the length of the longer piece in metres?

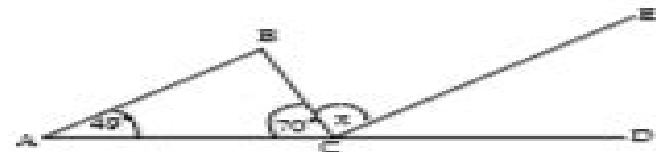
- | | | | |
|----|-----|----|-----|
| A. | 1.4 | B. | 1.5 |
| C. | 3.5 | D. | 4.0 |

QUESTION 10

A temperature reading indicated on a thermometer on a particular day was -12°C . After some hours, the temperature increased by $+5^{\circ}\text{C}$.

What is the new temperature reading after the increase?

- | | | | |
|----|-----------------------|----|-----------------------|
| A. | -17°C | B. | -7°C |
| C. | $+7^{\circ}\text{C}$ | D. | $+17^{\circ}\text{C}$ |

QUESTION 11

AB is parallel to CE.

The size of angle x is

- | | | | |
|----|--------------|----|---------------|
| A. | 21° | B. | 49° |
| C. | 61° | D. | 119° |

QUESTION 12

The volume of the cylinder is 400 cm^3 and its height is 20 cm.

What is the area of the end face in square centimetres?

- | | | | |
|----|-----|----|------|
| A. | 10 | B. | 20 |
| C. | 100 | D. | 8000 |

QUESTION 13

What is the sum of 2 metres and 6 centimetres expressed in centimetres?

- | | | | |
|----|------|----|-------|
| A. | 2.06 | B. | 20.6 |
| C. | 206 | D. | 2,060 |

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