

**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  $-12^{\circ}\text{C}$ . After some hours, the temperature increased by  $+5^{\circ}\text{C}$ .

What is the new temperature reading after the increase?

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

**QUESTION 11**

AB is parallel to CE.

The size of angle x is

- |    |              |    |               |
|----|--------------|----|---------------|
| A. | $21^{\circ}$ | B. | $49^{\circ}$  |
| C. | $61^{\circ}$ | D. | $119^{\circ}$ |

**QUESTION 12**

The volume of the cylinder is  $400\text{ cm}^3$  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 |

# Grade 8 Mathematics Exam Papers

**LP Steffe**



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