



CREST Mathematics Olympiad (CMO) Worksheet *for* Class 5



Topic

Computation Operations



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Worksheet on Computation Operations

1. Kitty is riding a bicycle and covers 1815 metres in 11 minutes. What distance can she ride in 5 minutes?



- a. 625 m
b. 725 m
c. 825 m
d. 1025 m
2. According to research conducted by the airport management, there is an additional 3-minute delay in the system as a whole for every 17 late arrivals. What is the impact of 255 passengers being late for their flights on the whole operation?



- a. 15 minutes
b. 30 minutes
c. 45 minutes
d. 60 minutes

3. What will be the cost of 35 tea packets if the cost of 140 tea packets is \$840?



- a. \$180
- b. \$210
- c. \$240
- d. \$280

4. Solve the expression using the BODMAS rule:

$$(1/3 + 5/3) - 5 + 3$$

- a. 0
- b. 1
- c. -1
- d. 2

5. Simplify the expression:

$$7 + 7 \text{ of } 7 \div 7 - 35/5$$

- a. 14
- b. 7
- c. $7/2$
- d. $7/4$

Answer Key

1. c - 825 m

Explanation: Distance covered in 11 minutes = 1815 m

Distance covered in 1 minute = $(1815 \div 11)$ m

Distance covered in 5 minutes = $(1815 \div 11) \times 5$ [Solve using BODMAS rule]

$$= 165 \times 5$$

$$= 825 \text{ m}$$

2. c - 45 minutes

Explanation: Flights were delayed due to 17 passengers = 3 minutes

Number of breakages due to 255 passengers being late after each 17 passengers = $255 \div 17$

Total time delay for their flights on the whole operation due to 255 passengers = $(255 \div 17) \times 3$ [Using BODMAS rule]

$$= 15 \times 3$$

$$= 45$$

3. b - \$210

Explanation: Cost of 140 tea packets = \$840

Cost of 1 tea packet = $\$(840 \div 140)$

Cost of 35 tea packets = $(840 \div 140) \times 35$ [Using BODMAS rule]

$$= (6) \times 35$$

$$= \$210$$

4. a - 0

Explanation: Using BODMAS Rule:

$$(1/3 + 5/3) - 5 + 3$$

[Add the like terms.]

$$= (1 + 5)/3 - 5 + 3$$

$$= 6/3 - 5 + 3$$

$$= 2 - 5 + 3$$

$$= 2 - 2$$

$$= 0$$

5. b - 7

Explanation: Using BODMAS Rule:

$$7 + 7 \text{ of } 7 \div 7 - 35/5$$

$$= 7 + 7 \text{ of } 7 \div 7 - 35/5$$

$$= 7 + 49 \div 7 - 35/5$$

$$= 7 + 7 - 7$$

$$= 14 - 7$$

$$= 7$$

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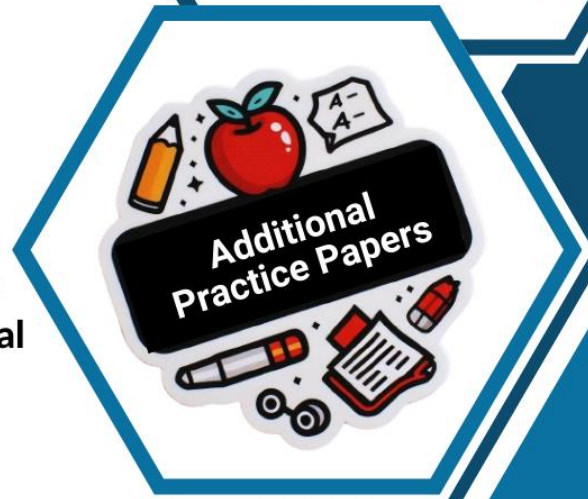
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