

Olympiads

CREST Mathematics Olympiad (CMO) Worksheet for Class 5

Topic Data Handling

@crestolympiads

info@crestolympiads.com

+91-98182-94134

Worksheet on Data Handling

- 1. The runs scored by the cricket teams in the last 10 matches of this World Cup are 350, 369, 245, 423, 439, 190, 327, 179, 192 and 279. What is the range of the given data?
 - a. 160
 - b. 260
 - c. 360
 - d. 460
- 2. The line graph shows the sale of cars over a period of six months. Study it carefully and answer the following question.



How much money is earned in March and May together if a car is sold at the rate of \$2200?

- a. \$17700000
- b. \$18700000
- c. \$19700000
- d. \$20700000

3. The photograph shows the number of toy rabbits that some children have. Study it carefully and answer the following question.

	CREST
Name of children	Number of toy rabbits
Aleena	****
Bullen	
Emma	*****
Thomas	*******
John	****
Note	Each toy rabbit represents 37 toy rabbits.

What is the fraction of the number of toy rabbits Thomas had to the number of toy rabbits Bullen had?

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- a. 5/7
- b. 7/9
- c. 9/7
- d. 7/5

4. The bar graph shows the time taken by six football players to kick the ball into the goal. Study the graph and answer the following question:



What is the time difference (in seconds) between the fastest goal and the slowest goal kicked by the football players?

- a. 740 seconds
- b. 840 seconds
- c. 940 seconds
- d. 1040 seconds

5. The pie chart shows the students absent on the examination days. What is the total number of students present on Thursday if the total strength is 1050?



Answer Key

1. b - 260

Explanation: Given data: 350, 369, 245, 423, 439, 190, 327, 179, 192, 279 Given data in ascending order: 179, 190, 192, 245, 279, 327, 350, 369, 423, 439 Lowest runs scored = 179 Highest runs scored = 439

Range = Highest runs scored – Lowest runs scored Range = 439 – 179 Range = 260

2. b - \$18700000

Explanation: Cars sold in different months are shown:



Number of cars sold in March and May together = 3500 + 5000 = 8500Total money earned = $(2200 \times 8500) = 18700000$

3. c − 9/7

Explanation: Total number of toy rabbits Thomas had = 9×37 Total number of toy rabbits Bullen had = 7×37 Fraction of the number of toy rabbits Thomas had to the number of toy rabbits Bullen had = (9×37)/(7×37) = 9/7 4. b - 840 seconds

Explanation: Time for the fastest goal kicked by the football player (Less time is taken to kick the fastest goal) = 20 minutes

Time for the slowest goal kicked by the football player (More time is taken to kick the fastest goal) = 34 minutes

The labelled graph is shown as:



The difference in time for the fastest goal and slowest goal kicked by the football player = (34 – 20) minutes

= 14 minutes = (14 × 60) seconds = 840 seconds

5. c - 924 students

Explanation: Students absent on the Thursday (Decimal value) = 0.12Total number of students absent on Thursday if the total strength is 1050 = $0.12 \times \text{Total strength}$

- $= 0.12 \times 1000$
- = (12/100) × 1050
- $= (12/100) \times 100$ = 126 students

Total number of students present on Thursday = 1050 - 126 = 924 students

More Questions Coming Soon – Keep Learning!

Difference between Ordinary & Extra-Ordinary is that "Little Extra"

