



CREST Mathematics Olympiad (CMO) Worksheet *for* Class 6



Topic
Data Handling



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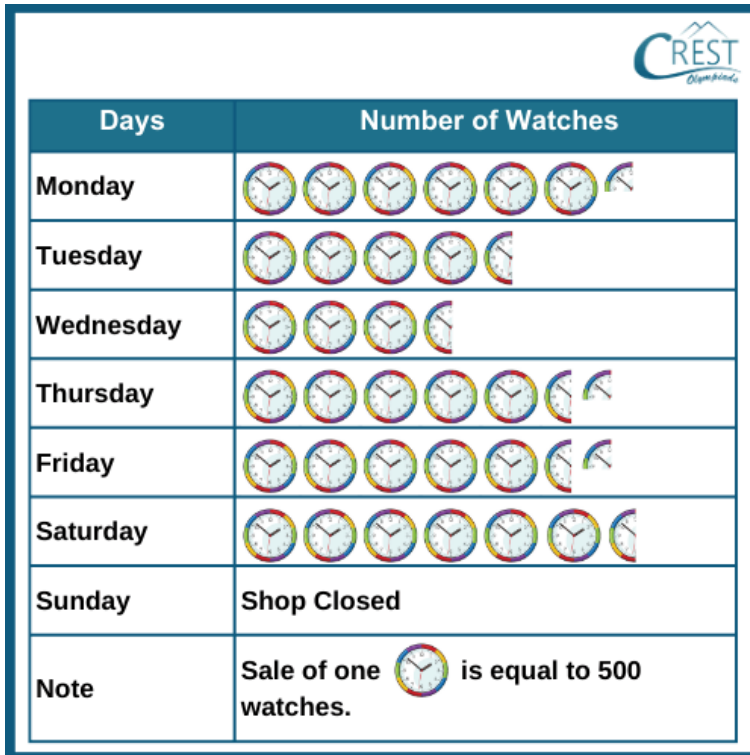
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Worksheet on Data Handling

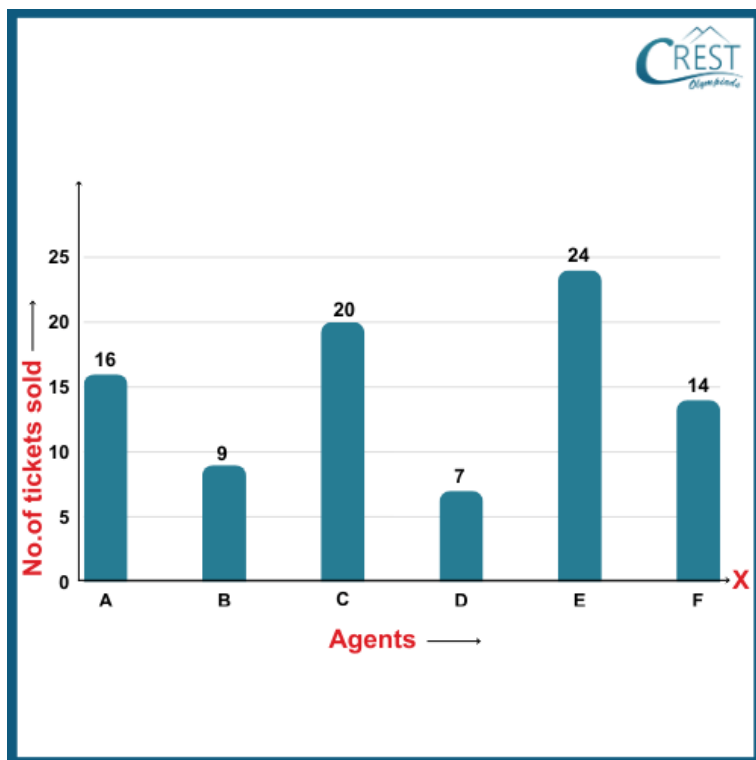
Direction (1-2): The following pictograph shows the number of watches sold by a wholesaler in a particular week.



1. How many extra watches were sold on Saturday than on Wednesday?
 - a. 1175
 - b. 1500
 - c. 2775
 - d. 3225

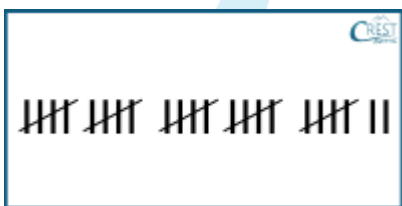
2. What is the total amount of watches sold on Tuesday if the selling price of each watch is \$9.35?
 - a. \$20137.50
 - b. \$21,037.50
 - c. \$21,087.50
 - d. \$21,137.50

Direction (3-4): The bar graph shows the number of tickets of a circus sold during a fair by six agents A, B, C, D, E and F.

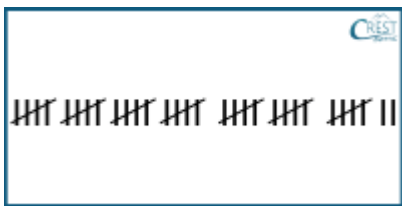


3. How many tickets of a circus were sold by agents A, C, D and F together?

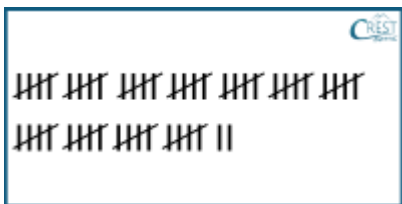
a.



b.



c.



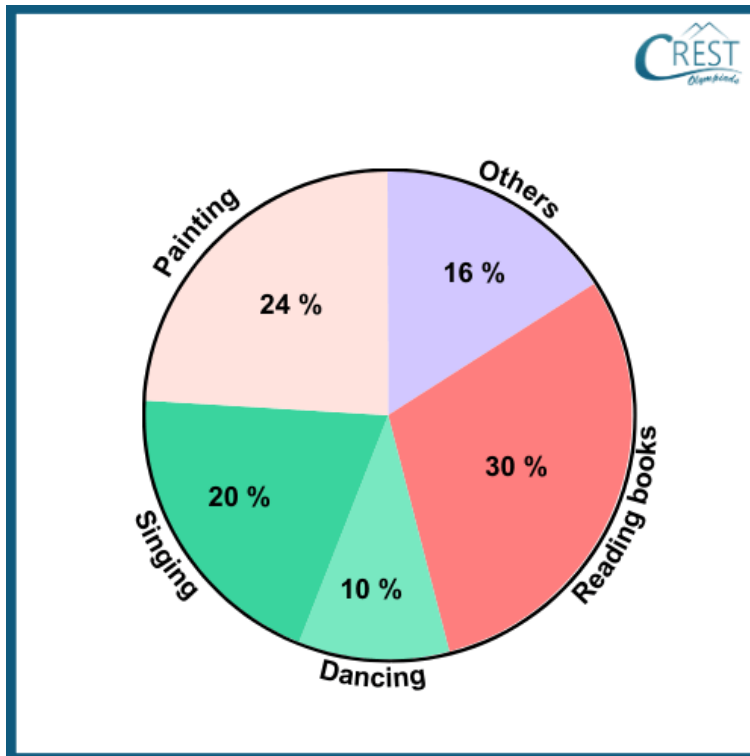
d.



4. What is the average number of tickets of a circus sold per agent?

- a. 15 tickets
- b. 25 tickets
- c. 35 tickets
- d. 40 tickets

5. The pie chart provides details about the different activities performed by Alena on Sunday.



What is the total time spent by Alena on performing all these activities if she reads a book for 3 hours?

- a. 5 hours
- b. 10 hours
- c. 15 hours
- d. 20 hours

Answer Key

1. b - 1500

Explanation:



$$\begin{aligned}\text{Number of watches sold on Wednesday} &= (3 \times 500) + 250 \\ &= 1500 + 250 \\ &= 1750\end{aligned}$$

$$\begin{aligned}\text{Number of watches sold on Saturday} &= (6 \times 500) + 250 \\ &= 3000 + 250 \\ &= 3250\end{aligned}$$

$$\begin{aligned}\text{Extra number of watches sold on Wednesday than on Saturday} &= 3250 - 1750 \\ &= 1500\end{aligned}$$

2. b - \$21,037.50

$$\begin{aligned}\text{Explanation: Number of watches sold on Tuesday} &= (4 \times 500) + 250 \\ &= 2000 + 250 \\ &= 2250\end{aligned}$$

$$\text{Selling price of 1 watch} = \$9.35$$

$$\text{Selling price of 2250 watches} = \$9.35 \times 2250 = \$21037.50$$

3. c -



Explanation: Number of tickets sold by agent A = 16 tickets

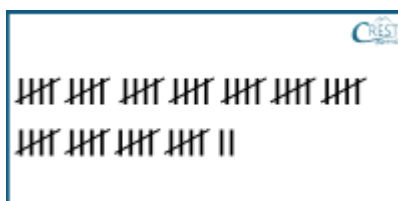
Number of tickets sold by agent C = 20 tickets

Number of tickets sold by agent D = 7 tickets

Number of tickets sold by agent F = 14 tickets

Total number of tickets of a circus sold by agents A, C, D and F taken together = $16 + 20 + 7 + 14 = 57$ tickets

57 tickets sold in tally marks =



4. a - 15 tickets

Explanation: Number of agents (A, B, C, D, E and F) = 6 agents

Total number of tickets of a circus sold by agents A, B, C, D, E and F taken together = $16 + 9 + 20 + 7 + 24 + 14$

= 90 tickets

Average number of tickets of a circus sold per agent = Total number of tickets sold/Number agents

= $90/6$

= 15 tickets

5. b - 10 hours

Explanation: Let the total time spent by Alena on performing all these activities be x hours.

Time spent on reading the book = 3 hours

⇒ 30% of Total time = 3 hours

⇒ $30/100 \times x = 3$ hours

⇒ $x = 3 \times 100/30$ hours

⇒ $x = 10$ hours

More Questions Coming Soon – Keep Learning!



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