



CREST Mathematics Olympiad (CMO) Worksheet *for*

Class 4



Topic
Data Handling



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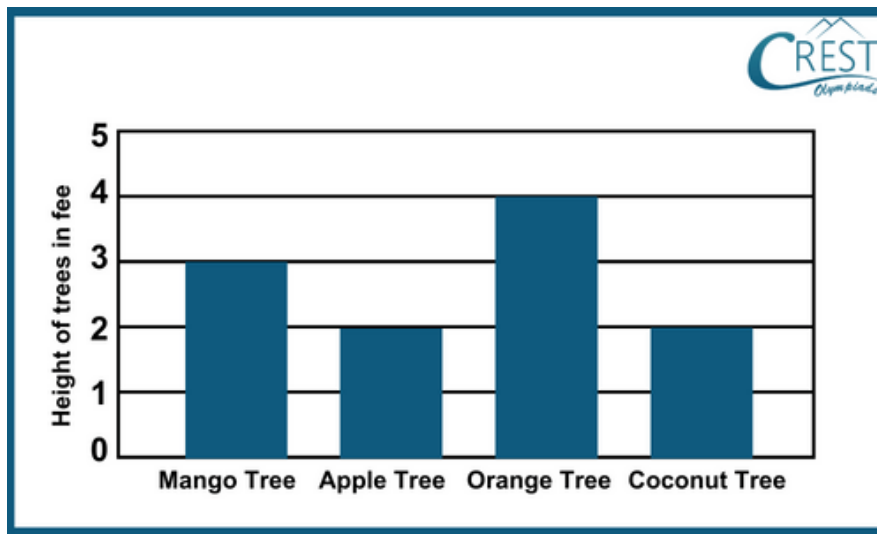
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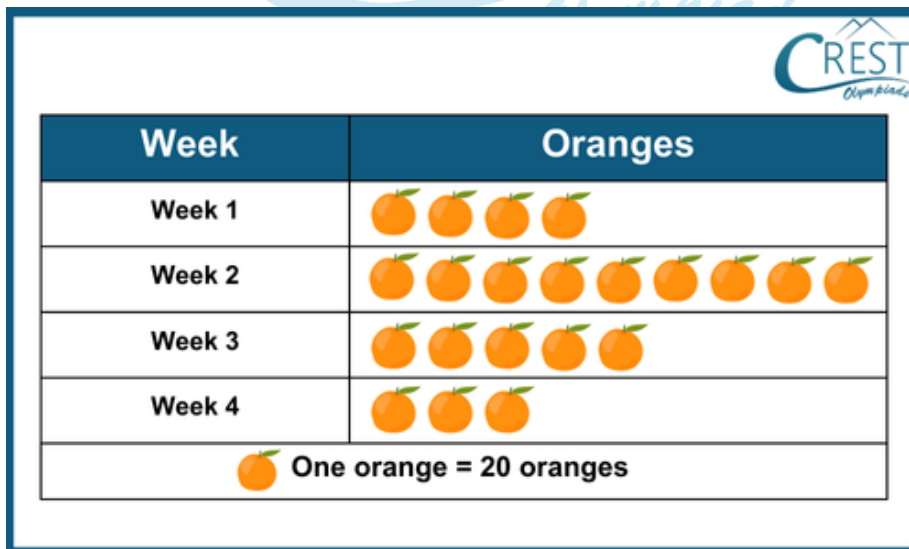
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Worksheet on Data Handling

Directions (1-2): Carefully observe the bar graph which represents the height of the different trees in feet and answer the following questions.



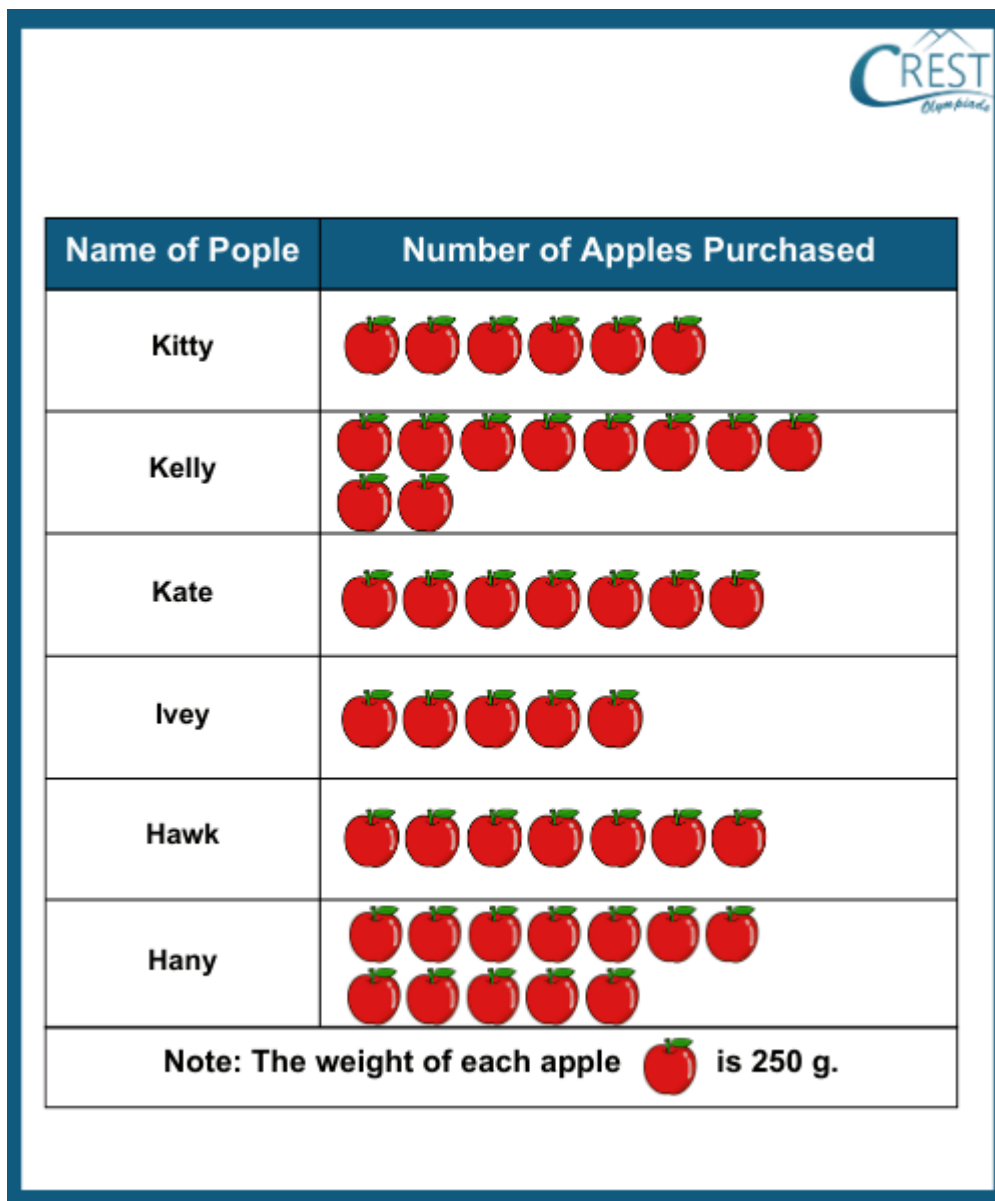
- What is the difference in the heights of mango and coconut trees?
 - 1 foot
 - 2 feet
 - 3 feet
 - 4 feet
- The given pictograph shows the number of oranges sold over four weeks. Read the graph carefully and answer the following question:



How many more oranges were sold in Week 2 than Week 3?

- 80
- 40
- 160
- 20

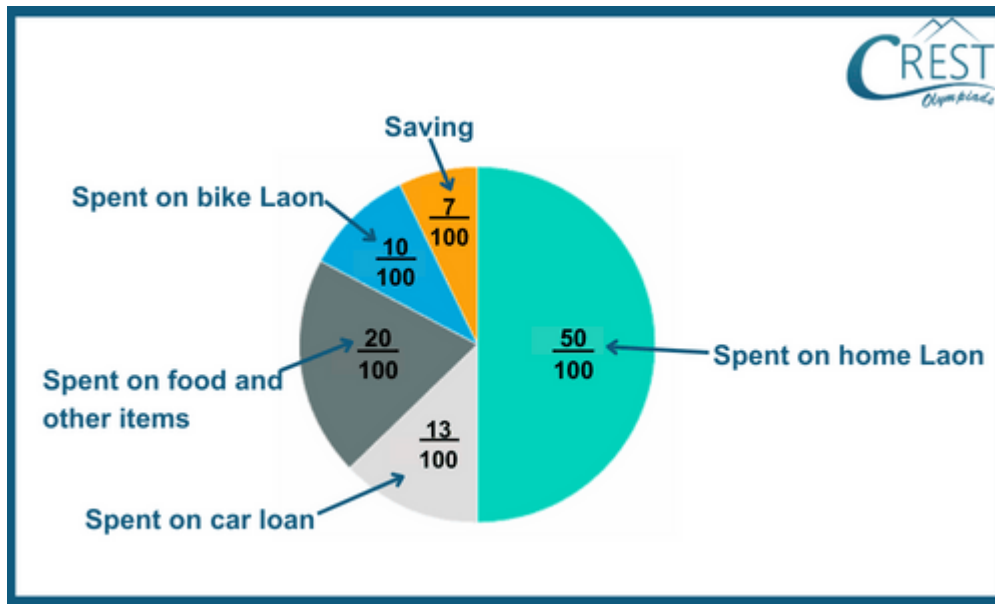
3. The pictograph below shows the names of people who purchased apples. Answer the following questions based on this pictograph.



What is the quantity of apples purchased by Kelly?

- a. 1 kg 500 g
- b. 2 kg 500 g
- c. 1 kg 750 g
- d. 2 kg 750 g

Directions (4-5): The pie chart details the fractions of the expenditures and savings of Racky. Carefully observe the pie chart and answer the following questions:



4. What is the amount of money saved if the salary of Racky is one thousand four hundred dollars?
- a. \$2
 - b. \$58
 - c. \$98
 - d. \$118
5. What is the amount of money spent on a home, car and bike loans if the salary of Racky is three thousand dollars?
- a. \$2,090
 - b. \$2,190
 - c. \$2,290
 - d. \$2,590

Answer Key

1. a - 1 foot

Explanation: From the graph,

Height of mango tree = 3 feet

Height of coconut tree = 2 feet

The difference in the heights of mango and coconut trees = $3 - 2$
= 1 foot

2. a - 80

Explanation: Number of oranges sold in Week 2 = $9 \times 20 = 180$

Number of oranges sold in Week 3 = $5 \times 20 = 100$

Difference between the number of oranges sold in Week 2 and Week 3 = $180 - 100 = 80$

3. b - 2 kg 500 g

Explanation: Weight of each apple is 250 g.

The number of apples purchased by Kelly = 10

Weight of apples purchased by Kelly = 10×250

= 2500 g

= 2000 g + 500 g

= 2 kg 500 g

4. c - \$98

Explanation: Fraction of saving money = $7/100$

Salary of Racky = \$1400

Amount of money saved = $(7/100) \times 1400$

= 7×14

= \$98

5. b - \$2,190

Explanation: Fraction of money spent on home loan = $50/100$

Fraction of money spent on car loan = $13/100$

Fraction of money spent on bike loan = $10/100$

Total fractions of money spent on home, car and bike loans = $(50/100) + (13/100) + (10/100)$
= $73/100$

Salary of Racky = \$3,000

Amount of money saved = $(73/100) \times 3,000$

= 73×30

= \$2,190

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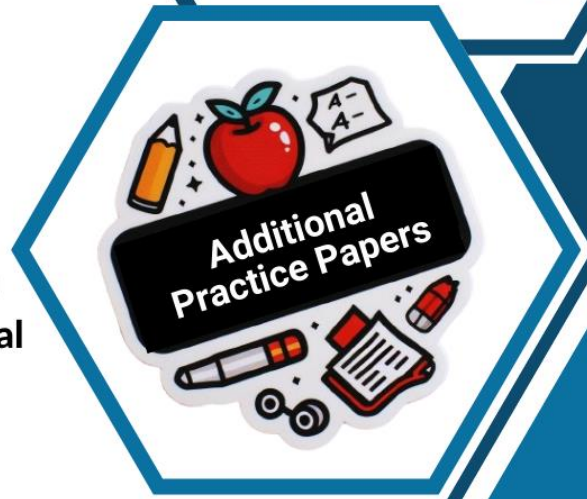
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