

Graphs & Data

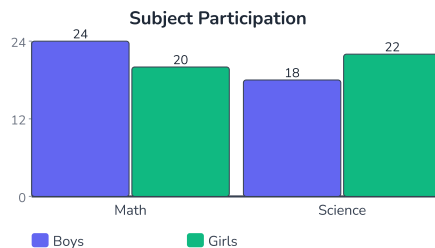
Data & Measurement · Grade 5

Score: _____ / 10

◆ Medium · 10 Questions

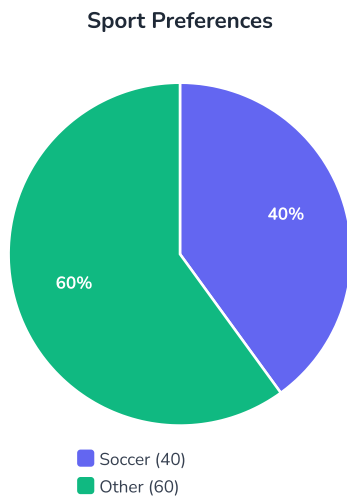
Solve each problem. Show your work in the space provided. Write your answer on the line.

1. The double bar chart below shows subject participation for boys and girls. How many more girls than boys participate in Science?



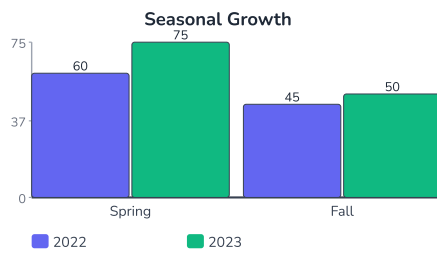
Answer: _____

2. The pie chart below shows sport preferences for 200 students. How many students prefer soccer?



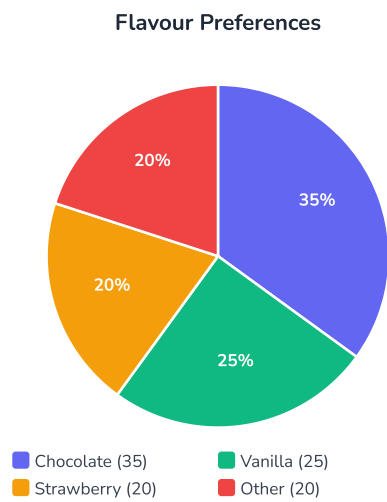
Answer: _____

3. The double bar chart below shows seasonal data for 2022 and 2023. Which season showed more growth from 2022 to 2023?



Answer: _____

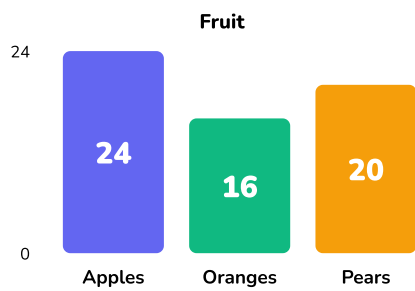
4. The pie chart below shows flavour preferences. In 400 students, how many prefer chocolate?



Answer: _____

5. Bar chart: Apples=24, Oranges=16, Pears=20.

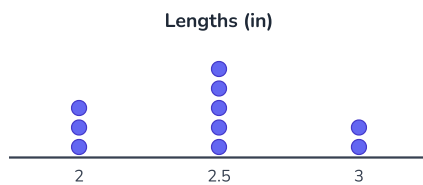
What is the mean?



Answer: _____

6. Line plot in halves: 3 at 2", 5 at 2½", 2 at 3".

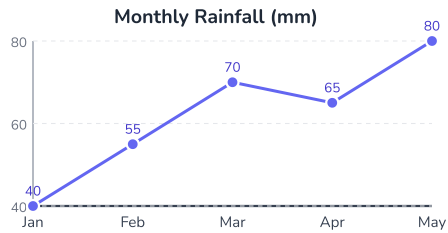
What is the total length?



Answer: _____

7. Line graph shows monthly rainfall (mm): Jan 40, Feb 55, Mar 70, Apr 65, May 80.

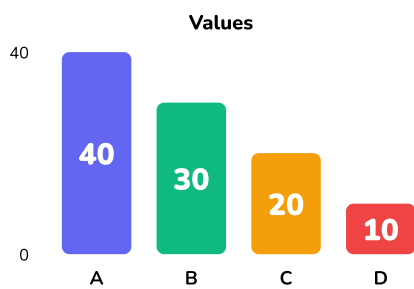
What is the mean monthly rainfall?



Answer: _____

8. Bar graph: A=40, B=30, C=20, D=10.

What is the range?

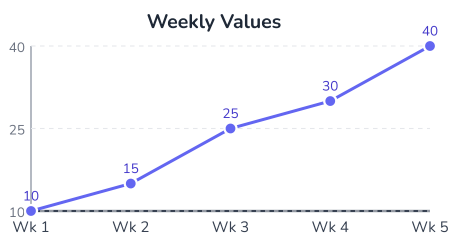


Answer: _____

9. Survey of 150 people: Cats=45, Dogs=60, Other=45.
What fraction prefer Dogs?

Answer: _____

10. Line graph from week 1 to week 5 shows: 10, 15, 25, 30, 40.
Find the average weekly increase.



Answer: _____

Answer Key

Graphs & Data — Medium

1. **4**

Science: Girls = 22, Boys = 18. Difference: $22 - 18 = 4$.

2. **80**

40% of 200 = $0.4 \times 200 = 80$.

3. **Spring — increased by 15 vs Fall's increase of 5**

Spring: $75 - 60 = 15$. Fall: $50 - 45 = 5$. Spring grew more.

4. **140**

35% of 400 = $0.35 \times 400 = 140$.

5. **20**

$(24 + 16 + 20) \div 3 = 60 \div 3 = 20$.

6. **24.5 inches**

$3(2) + 5(2.5) + 2(3) = 6 + 12.5 + 6 = 24.5$ inches.

7. **62 mm**

Sum: $40 + 55 + 70 + 65 + 80 = 310$. Mean: $310 \div 5 = 62$ mm.

8. **30**

Max - Min = $40 - 10 = 30$.

9. **60/150 = 2/5**

60/150 simplifies to 2/5.

10. **7.5**

$(40 - 10) \div 4 = 30 \div 4 = 7.5$.