

GRADE 5 MATHEMATICS DATA HANDLING & GRAPHS

Complete Printable Worksheet Pack

- Tables & tally charts
- Bar graphs & line graphs
- Pictographs & scaled symbols
- Mean, range & comparison
- Data interpretation & reasoning
- Challenge problems

6 worksheets • Separate answer keys • A4 printable

Worksheet 1: Tables, Tally Marks & Frequency

Grade 5 Mathematics

A. Read the table

Fruit	Tally	Frequency
Apples	/	8
Bananas	/	6
Oranges	/	7
Grapes	/	5
Mangoes		4

- How many students were surveyed altogether?

- Which fruit was chosen by the most students?

- Which fruit was chosen by the fewest students?

- How many more students chose apples than mangoes?

- How many students chose either bananas or grapes?

- If 3 more students chose oranges, what would the new total be?

B. Library visitors

Day	Mon	Tue	Wed	Thu	Fri
Visitors	42	35	48	55	50

- Which day had the highest number of visitors?

- How many visitors came on Wednesday and Friday altogether?

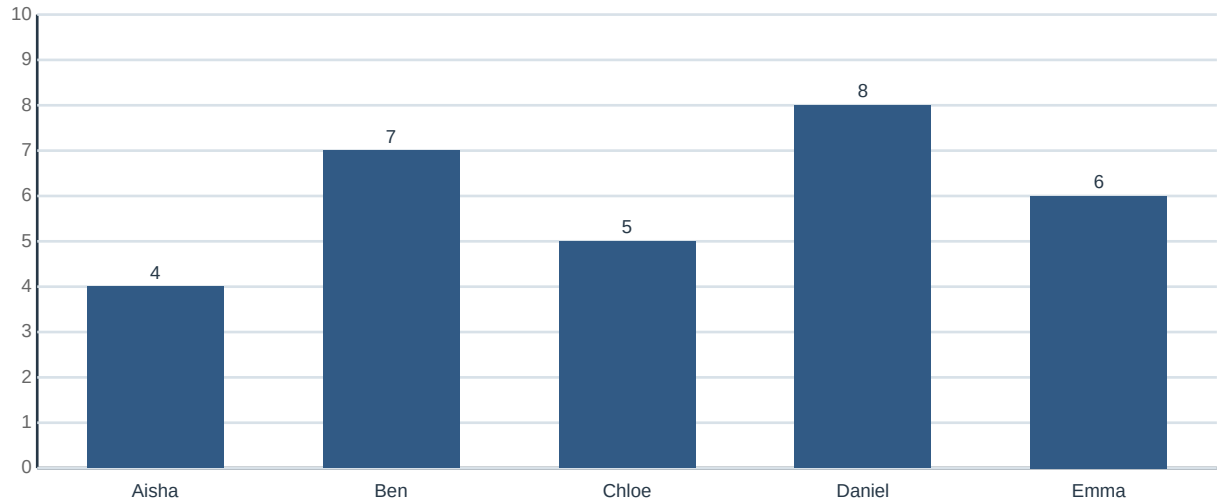
- What is the difference between Thursday and Tuesday?

- How many visitors came during the five days altogether?

Worksheet 2: Bar Graphs

Grade 5 Mathematics

Books read in one month



1. Who read the most books?

2. How many books were read by Ben and Emma altogether?

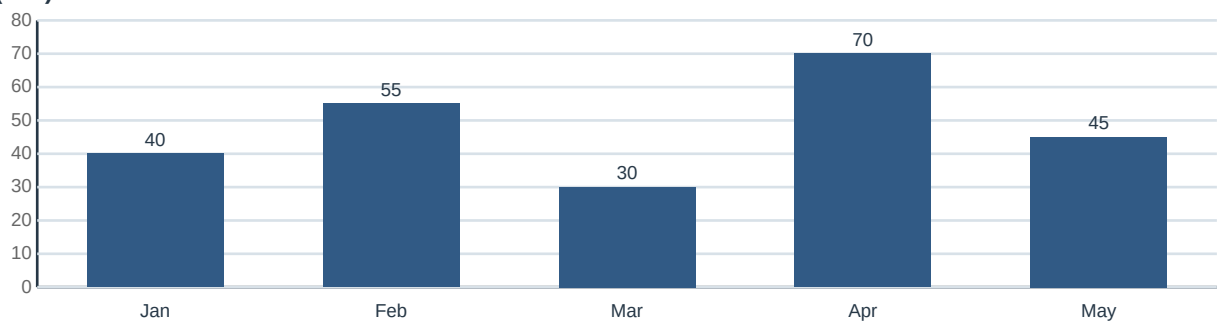
3. How many more books did Daniel read than Aisha?

4. How many books were read by all five students?

5. If Chloe reads 3 more books next month, how many will she have read?

B. Rainfall

Rainfall (mm)



6. Which month had the greatest rainfall?

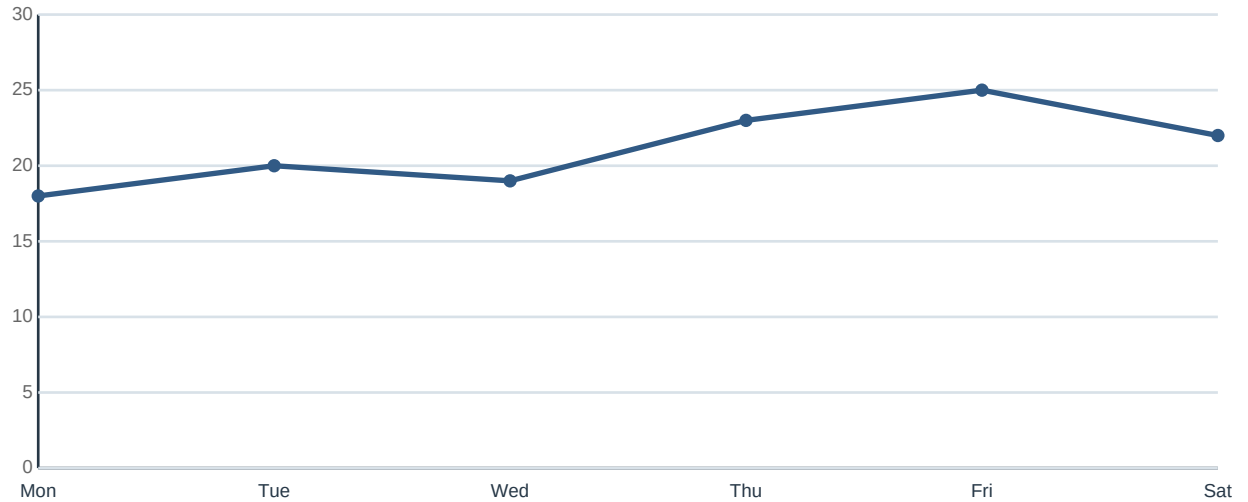
7. What is the difference between April and March rainfall?

8. How much rainfall was recorded in January and May together?

Worksheet 3: Line Graphs

Grade 5 Mathematics

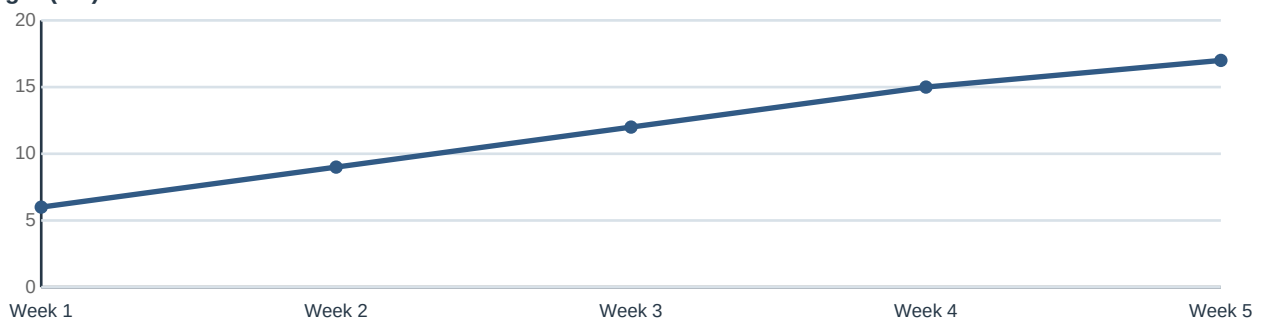
Afternoon temperature (°C)



1. On which day was the temperature highest?
2. What was the temperature on Wednesday?
3. By how many degrees did the temperature rise from Wednesday to Thursday?
4. Between which two consecutive days did the temperature fall?
5. Describe the overall pattern of the temperatures.

B. Plant growth

Plant height (cm)



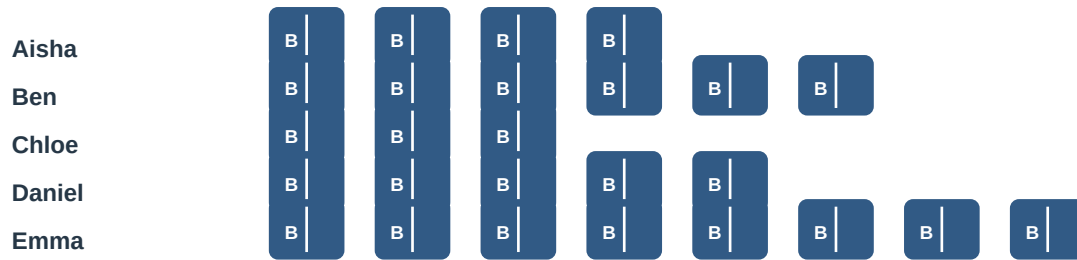
6. How tall was the plant in Week 3?
7. How much did it grow from Week 1 to Week 5?
8. Between which weeks did it grow by 3 cm?

Worksheet 4: Pictographs & Scaled Symbols

Grade 5 Mathematics

A. Books borrowed

Key: 1 book symbol = 2 books borrowed



1. How many books did Aisha borrow?

2. Who borrowed the most books?

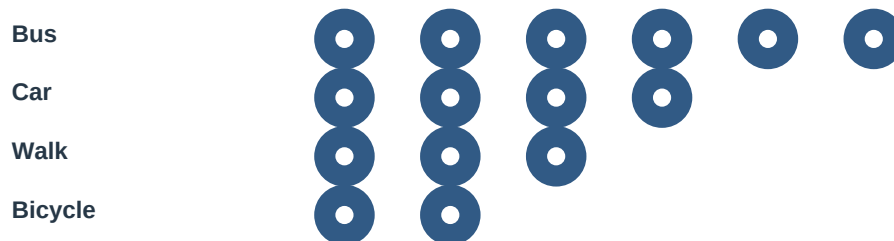
3. How many books did Chloe and Daniel borrow altogether?

4. How many more books did Emma borrow than Ben?

5. How many books were borrowed by all five students?

B. Transport

Key: 1 bus symbol = 5 students



6. How many students came by bus?

7. How many came by car and bicycle altogether?

8. How many students are represented altogether?

Worksheet 5: Mean, Range & Comparing Data

Grade 5 Mathematics

A. Find the mean and range

Student	A	B	C	D	E
Score	12	15	18	10	20

- 1. Find the total of the five scores.

- 2. Find the mean score.

- 3. Find the range.

- 4. Which score is closest to the mean?

- 5. If a sixth score of 19 is added, what is the new total?

- 6. Find the new mean after adding 19.

B. Compare two data sets

Set A	8	10	12	14	16
Set B	6	11	13	14	21

- 7. Find the mean of Set A.

- 8. Find the mean of Set B.

- 9. Find the range of Set A.

- 10. Find the range of Set B.

- 11. Which set has the greater range?

- 12. What does the larger range tell you about the spread?



Worksheet 1 Answer Key

Answer Key

1. 30 students.
2. Apples.
3. Mangoes.
4. 4 students.
5. 11 students.
6. 10 students.
7. Thursday.
8. 98 visitors.
9. 20 visitors.
10. 230 visitors.

Worksheet 2 Answer Key

Answer Key

1. Daniel.
2. 13 books.
3. 4 books.
4. 30 books.
5. 8 books.
6. April.
7. 40 mm.
8. 85 mm.

Worksheet 3 Answer Key

Answer Key

1. Saturday.
2. 19°C.
3. 4°C.
4. Friday to Saturday.
5. The temperature generally increased, with small falls on Wednesday and Saturday.
6. 12 cm.
7. 11 cm.
8. Week 2 to Week 3, Week 3 to Week 4, and Week 4 to Week 5 each show a 3 cm increase.

Worksheet 4 Answer Key

Answer Key

1. 8 books.
2. Emma.
3. 16 books.
4. 4 books.
5. 52 books.
6. 30 students.
7. 30 students.
8. 75 students.

Worksheet 5 Answer Key

Answer Key

1. 75.
2. 15.
3. 10.
4. 15 is exactly the mean.
5. 94.
6. $94 \div 6 = 15\frac{4}{3}$ (about 15.67).
7. 12.
8. 13.
9. 8.
10. 15.
11. Set B.
12. Set B's values are more spread out.

Worksheet 6 Answer Key

Answer Key

1. 106 students.
 2. 20 students.
 3. $24/106 = 12/53$.
 4. Art becomes 26 and Sports becomes 24.
 5. Art, with 26 students.
 6. 38 students.
 7. 25.
 8. 60.
 9. The mean increases by 3; the range stays the same.
 10. The rise is 8 and the fall is 5, so total movement is 13.
 11. 28 children.
- Graphing challenge: bars should be Art 18, Music 24, Sports 32, Drama 12, Science 20, with labelled axes and a title.