GRADE 4
DATA HANDLING

Printable Worksheet Pack

- Reading and interpreting tables
- Pictographs and keys
- Bar graphs and scales
- Comparing data
- Finding totals and differences
- Creating simple graphs
- Missing data and reasoning
- Data-based word problems
- Mixed challenge
- Answer key included

Name: _____

Date: _____ Teacher: _____

Worksheet 1: Reading Tables

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A. Use the table to answer the questions.

Fruit	Monday	Tuesday
Apples	18	24
Bananas	15	20
Oranges	12	16
Pears	10	14

1. Which fruit had the most sales on Tuesday? _____

2. How many bananas were sold on Monday? _____

3. How many oranges were sold on both days altogether? _____

4. How many more apples were sold Tuesday than Monday? _____

5. How many pieces of fruit were sold on Monday altogether? _____

6. Which fruit had the smallest Tuesday sales? _____

B. Think about the data

7. Write one question that could be answered using the table, then answer it.

Worksheet 2: Pictographs

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A. School club survey

Key: ● = 2 students

Club	Number of symbols	Students
Art	●●●●●	_____
Music	●●●●	_____
Sports	●●●●●●	_____
Science	●●●	_____

1. How many students chose Art? _____

2. How many chose Sports? _____

3. How many students chose Music and Science altogether? _____

4. Which club was most popular? _____

5. How many more students chose Sports than Science? _____

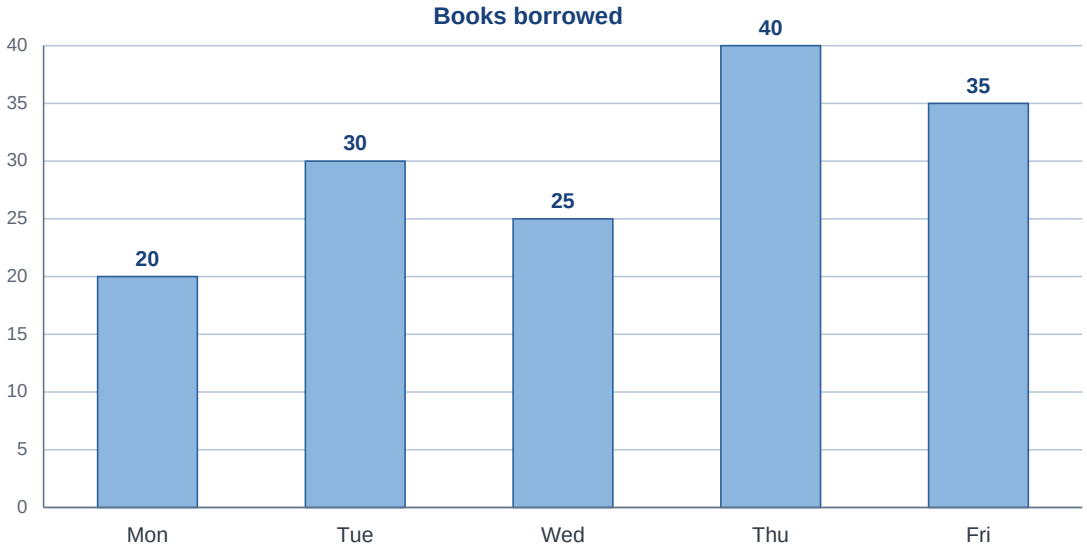
B. Challenge

6. If 2 more students chose Art, how many students would that be? _____

Worksheet 3: Bar Graphs

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A. Read the bar graph



1. On which day were the most books borrowed? _____

2. How many books were borrowed on Wednesday? _____

3. How many more books were borrowed Thursday than Monday? _____

4. How many books were borrowed Monday and Friday altogether? _____

5. How many books were borrowed on all five days? _____

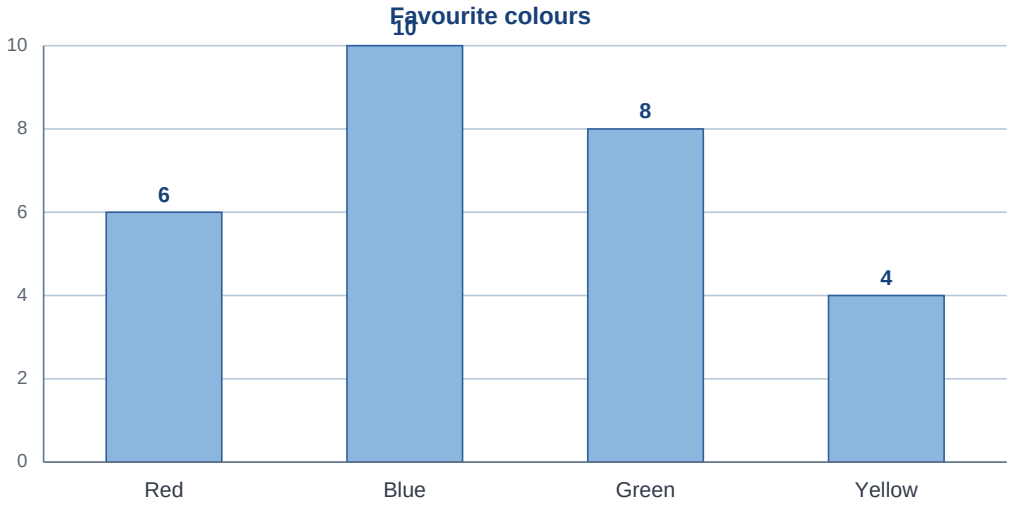
B. Reasoning

6. Which two days together total 65 books? _____

Worksheet 4: Graph Scales

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A. Read the graph scale



1. What is the scale of the graph (students per grid step)? _____

2. Which colour was chosen by 10 students? _____

3. How many students chose Green? _____

4. How many more chose Blue than Yellow? _____

5. How many students were surveyed altogether? _____

B. Create

6. Draw a bar for Purple if 12 students chose it. Use the same scale.

Worksheet 5: Compare Data

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A. Use the table

Game	Class A	Class B
Chess	12	18
Cards	20	14
Puzzles	16	22
Board games	24	20

1. Which game was most popular in Class A? _____

2. Which game was most popular in Class B? _____

3. How many more students chose Chess in Class B than in Class A? _____

4. How many students chose Puzzles altogether? _____

5. Which game or games had the biggest difference between classes? _____

6. How many students are represented in Class A altogether? _____

B. Reasoning

7. What conclusion can you make from the two classes' game choices? Write one sentence.

Worksheet 6: Data Word Problems

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A. Solve using the data

Day	Visitors
Monday	35
Tuesday	48
Wednesday	42
Thursday	55
Friday	50

1. Which day had the most visitors? _____

2. How many visitors came on Monday and Wednesday altogether? _____

3. How many more visitors came Thursday than Tuesday? _____

4. How many visitors came during the five days? _____

5. What was the difference between the highest and lowest daily totals? _____

B. Challenge

6. If 10 more visitors came on Friday, what would Friday's total be? Would Friday then have the highest total?

Worksheet 7: Missing Data & True/False

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A. Find the missing value

1. The total is 50. Values are 12, 15, 8 and _____. Missing value = _____

2. A bar graph shows 24 in Week 1 and 31 in Week 2. Difference = _____

3. A pictograph key is ● = 5. Four symbols represent _____ objects.

4. Three days have 18, 25 and 22 visitors. Total = _____

B. True or False

5. A pictograph key tells what each symbol represents. _____

6. A bar graph can be used to compare categories. _____

7. If one symbol means 2, five symbols mean 7. _____

8. The tallest bar always represents the smallest value. _____

C. Correct the false statements

9. Correct #7: _____

10. Correct #8: _____

Worksheet 8: Mixed Data Challenge

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A. Use the data below

Pet	Dogs	Cats	Fish	Birds
Students	18	12	6	9

1. Which pet is most popular? _____

2. How many students chose Cats or Birds altogether? _____

3. How many more chose Dogs than Fish? _____

4. How many students were surveyed? _____

5. What fraction of the students chose Birds? Write the fraction. _____

6. If 3 more students chose Fish, what would the new Fish total be? _____

B. Data detective

7. Make a simple bar graph for the pet data above. Label the categories and scale clearly.

Answer Key: Grade 4 Data Handling

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Worksheet 1

1. Apples
2. 15
3. 28
4. 6
5. 55
6. Pears
7. Answers will vary; the question and answer must match the table.

Worksheet 2

1. 10
2. 12
3. 14
4. Sports
5. 6
6. 12

Worksheet 3

1. Thursday
2. 25
3. 20
4. 55
5. 150
6. Tuesday + Friday (30 + 35 = 65).

Worksheet 4

1. 2 students per grid step
2. Blue
3. 8
4. 6
5. 28
6. Purple bar reaches 12 on the same scale.

Worksheet 5

1. Board games
2. Puzzles
3. 6
4. 38
5. Chess, Cards and Puzzles (each has a difference of 6)
6. 72
7. Answers will vary; conclusion must be supported by the table.

Worksheet 6

1. Thursday
2. 77
3. 7
4. 230
5. 20
6. Friday becomes 60 visitors; yes, this is the highest total.

Worksheet 7

1. 15
2. 7
3. 20
4. 65
5. True
6. True
7. False
8. False
9. Five symbols represent 10 objects.
10. The tallest bar represents the largest value.

Worksheet 8

1. Dogs
2. 21
3. 12
4. 45
5. 9/45 (or 1/5)
6. 9
7. Graph should show Dogs 18, Cats 12, Fish 6 and Birds 9.