

Data Handling Worksheet

Class 2 - Mathematics

Name: _____

Date: _____

Total Questions: 24

★ What is Data Handling?

Data Handling means collecting information and organizing it in a way that is easy to read and understand!

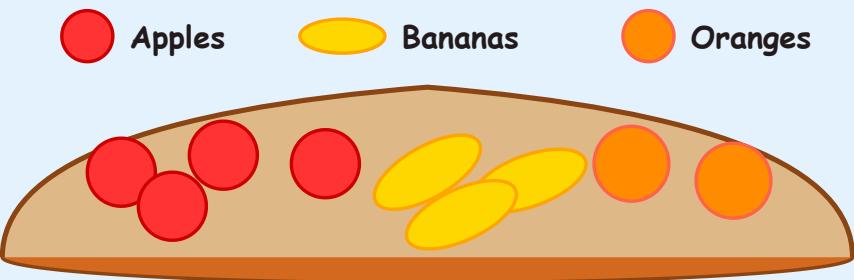
We can show data in different ways:

- **Tally Marks:** We use lines to count things. We make 4 vertical lines (|||), then the 5th line crosses diagonally through them (||||) = 5
- **Pictographs (🍎🍎🍎):** We use pictures to show numbers
- **Bar Graphs:** We use bars (rectangles) to compare numbers
- **Tables:** We organize information in rows and columns



Sample Problem

Let's count the fruits in Riya's basket!



Let's organize this data:

Fruit	Number
🍎 Apples	4
🍌 Bananas	3
🍊 Oranges	2

Questions we can answer:

- How many apples? **Answer: 4 apples**
- Which fruit has the most? **Answer: Apples**
- How many fruits in total? **Answer: $4 + 3 + 2 = 9$ fruits**

Part A: Warm-up Questions ☀️

★ Easy

Q1. Look at the tally marks: |||| |||| |||



How many tally marks are there in total?

Answer: _____

Q2. Count the stars and complete the table:

Monday:



Tuesday:



Day

Number of Stars

Monday _____

Tuesday _____

Q3. Look at the pictograph showing ice creams sold:

Ice creams sold on Saturday:



How many ice creams were sold?

Answer: _____

Q4. True or False: When we make tally marks, we draw 4 vertical lines and then the 5th line crosses diagonally to make a group of 5.

Answer: _____

Q5. Fill in the blank: In a pictograph, each picture stands for _____ object(s).

Answer: _____

Q6. Amit has 7 marbles. Draw tally marks to show this number:

Q7. Look at the animals in the zoo:



Which animal has the most number?

Answer: _____

Q8. True or False: A table helps us organize information in rows and columns.

Answer: _____

Part B: Practice Questions

★★ Medium

Q9. Priya's class collected the following data about favorite colors:

Color	Number of Students
● Red	5
● Blue	8
● Green	3

- a) How many students like blue?
- b) Which color is least favorite?
- c) How many students were asked in total?

Q10. Convert these numbers into tally marks:

a) 8 = _____

b) 12 = _____

c) 6 = _____

Q11. A fruit vendor sold fruits on Monday. Look at the pictograph:

Mangoes: 

Apples: 

Bananas: 

a) How many more apples than bananas were sold?

b) Which fruit was sold the most?

Q12. Rahul counted vehicles passing by his house for 10 minutes:

Cars: 

Bikes: 

Buses: 

- a) How many cars passed?
- b) How many bikes passed?
- c) Which vehicle passed the least?

Q13. Match the tally marks with the correct numbers:

Tally Marks

a) 

b) 

c) 

Numbers

i) 13

ii) 7

iii) 10

a) matches with _____

b) matches with _____

c) matches with _____

Q14. A shopkeeper sold notebooks in a week:

Day	Notebooks Sold
Monday	6
Tuesday	9
Wednesday	4

- a) On which day were most notebooks sold?

b) How many notebooks were sold in 3 days?

Q15. True or False: Two groups of 5 tally marks means 9.

Answer: _____

Q16. Children in a park were playing different games:



Make a table showing how many children played each game:

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Q17. Fill in the blanks:

a) Data handling helps us _____ and _____ information.

b) Two groups of 5 tally marks represents the number _____.

Q18. Sneha counted birds visiting her garden:

Sparrows: 

Crows:   

Parrots:     

- How many more sparrows than crows?
- How many birds in total?

Part C: Challenge Questions

 Hard

Q19. A librarian recorded books borrowed in a week:

Type of Book	Monday	Tuesday
Story Books	8	12
Science Books	5	7

- How many story books were borrowed in 2 days?
- How many more story books than science books on Tuesday?
- Which type of book was more popular?

Q20. Create a pictograph for the given data using  symbol:

Garden	Number of Flowers

Rose Garden	6
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Tulip Garden	4
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Lily Garden	8
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Q21. A sweet shop sold different sweets on Diwali:

Ladoos: 

Barfis: 

Jalebis: 

- a) Which sweet was sold the most?
- b) How many ladoos were sold?
- c) What is the total number of sweets sold?
- d) How many more barfis than jalebis were sold?

Q22. Students voted for their favorite subject. Make a table and answer:

Math: 

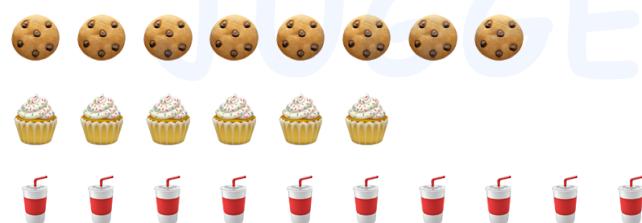
English: 

Science: 

Art: 

- Create a table showing number of votes for each subject
- Which subject got the most votes?
- How many students voted in total?

Q23. Rohan's mother made snacks for his birthday party:



- Which item has the most quantity?
- If each guest eats 1 cookie and 1 cupcake, can 7 guests be served? Why?
- How many total items are there?

Q24. A farmer counted animals on his farm over two days:

Animal	Day 1	Day 2
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🐄 Cows	6	8
🐑 Sheep	10	9
🐓 Hens	15	18

- a) How many cows are there on both days combined?
- b) Which animal increased the most from Day 1 to Day 2?
- c) What is the total number of animals on Day 2?
- d) Which animal had the same or fewer on Day 2?

THINKING

🔑 Answer Key

Part A: Warm-up Questions

Q1. 13 tally marks

Q2. Monday: 3 stars, Tuesday: 5 stars

Q3. 6 ice creams

Q4. True

Q5. one / 1

Q6. One group of 5 (four vertical lines with diagonal line crossing) + 2 vertical lines

Q7. Lion (3 lions)

Q8. True

Part B: Practice Questions

Q9. a) 8 students, b) Green, c) 16 students

Q10. a) $8 =$ One group of 5 + 3 lines, b) $12 =$ Two groups of 5 + 2 lines, c) $6 =$ One group of 5 + 1 line

Q11. a) 4 more apples ($6-2=4$), b) Apples

Q12. a) 8 cars, b) 12 bikes, c) Buses (4)

Q13. a) matches with iii (10), b) matches with ii (7), c) matches with i (13)

Q14. a) Tuesday, b) 19 notebooks ($6+9+4$)

Q15. False (Two groups of 5 means 10, not 9)

Q16. Football: 4, Cricket: 2, Badminton: 3

Q17. a) collect, organize (or similar words), b) 10

Q18. a) 4 more sparrows ($7-3=4$), b) 15 birds ($7+3+5$)

Part C: Challenge Questions

Q19. a) 20 story books ($8+12$), b) 5 more ($12-7$), c) Story books

Q20. Rose Garden:  , Tulip Garden:  , Lily Garden:  

Q21. a) Barfis (18), b) 15 ladoos, c) 44 sweets ($15+18+11$), d) 7 more barfis ($18-11$)

Q22. a) Math: 13, English: 12, Science: 10, Art: 20, b) Art (20 votes), c) 55 students

Q23. a) Juice/drinks (10), b) Yes, because there are 8 cookies and 6 cupcakes (enough for 6 guests, but only 6 can get cupcakes), c) 24 items ($8+6+10$)

Q24. a) 14 cows (6+8), b) Hens (increased by 3), c) 35 animals (8+9+18), d) Sheep (10 to 9)

Progress & Scoring Guide

Score Range	Performance Level	What This Means & Next Steps
21-24	 Excellent!	Outstanding work! You're a Data Handling Champion! Next steps: Try creating your own surveys at home. Ask family members about their favorites and make pictographs. Help younger siblings learn data handling. Create bar graphs for daily activities.
17-20	 Very Good!	Great job! You understand data handling well! Keep improving: Practice making more tables and pictographs. Try converting between tally marks and numbers faster. Look for real-life data around you (like counting cars, birds, or toys).
13-16	 Good!	You're doing well! With more practice, you'll master it! Practice focus: Spend extra time on tally marks (remember: 4 vertical lines + 1 diagonal line = 5). Practice reading tables carefully. Do more pictograph problems. Ask your teacher for extra worksheets.
9-12	 Keep Practicing!	You're learning! Don't worry, practice makes perfect! Start here: Learn tally marks first (count by 5s). Practice making simple tables. Count objects and organize them. Do 5 data problems every day.
0-8	 Keep Trying!	Don't give up! Everyone learns at their own pace! Begin with: Learn to count tally marks (4 vertical lines + 1 diagonal = 5). Practice organizing things in your room (toys, books, pencils). Make simple lists. Ask parents or teachers for one-on-one help with tables.



Tips for Mastering Data Handling:

- **Practice tally marks daily:** Count objects around you using tally marks (every group of 5 = 4 vertical lines + 1 diagonal line crossing them)
- **Create your own surveys:** Ask 10 friends about their favorite fruit, color, or game

- **Make pictographs fun:** Use stickers, stamps, or drawings to represent data
- **Read tables carefully:** Look at both rows and columns to find information
- **Real-life data collection:** Count vehicles passing by, birds in the park, or books on your shelf
- **Organize your things:** Group toys by type, arrange books by size—this is data handling!
- **Learn to compare:** Practice finding "most," "least," "more than," and "less than"
- **Draw pictures:** Convert numbers into pictures and pictures into numbers

✨ Great Job Completing This Worksheet! ✨

Keep practicing data handling and you'll become an expert at organizing information!

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