Problems on Division

Understanding Problems on Division

- Word problems on division help us use division in real-life situations.

- These problems involve sharing or grouping objects equally.

- To solve them:

  - Read the problem carefully

  - Identify the total and the number of groups (or items per group)

  - Use division to find the answer

  - Check your answer using multiplication

Examples with Solutions

Example 1

- **A basket has 24 apples. They are packed into 6 boxes equally. How many apples are in each box?**

✓ Total apples = 24

✓ Number of boxes = 6

✓ 24 ÷ 6 = 4

Final Answer: 4 apples in each box

Example 2

- **Question: There are 30 students in a class. They are divided into 5 equal groups. How many students are there in each group?**
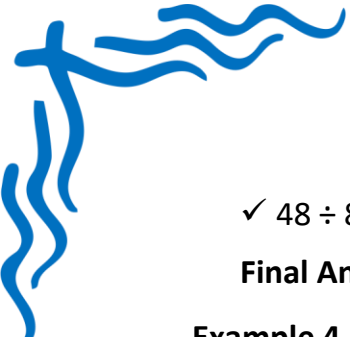
✓ Total students = 30

✓ Number of groups = 5

✓ 30 ÷ 5 = 6

Final Answer: 6 students in each group

Example 3

- **Question: Raju has 48 pencils. He gives 8 pencils to each friend. How many friends get pencils?**

✓ Total pencils = 48

✓ Pencils per friend = 8

✓ 48 ÷ 8 = 6

Final Answer: 6 friends

Example 4

➢ **Question: A box contains 72 chocolates. If each packet has 9 chocolates, how many packets can be made?**

✓ Total chocolates = 72

✓ Chocolates per packet = 9

✓ 72 ÷ 9 = 8

Final Answer: 8 packets

Example 5

➢ **50 balloons are to be packed into bunches of 6. How many full bunches can be made and how many balloons will be left?**

✓ Total balloons = 50

✓ Balloons per bunch = 6

✓ 50 ÷ 6 = 8 remainder 2

Final Answer: 8 bunches and 2 balloons left

Summary Points

- Division word problems involve sharing or grouping.

- Read the problem carefully to find what is given and what is asked.

- Use division to solve and multiplication to check your answer.

- Sometimes, there may be a remainder left after dividing.

- Division is used in real-life for equal distribution.