

Introduction

This worksheet is designed to assess students' understanding of division concepts and their ability to apply division to solve simple problems. The worksheet is tailored for students aged 10-12 and aligns with the learning objectives of the mathematics curriculum.

Section 1: Multiple Choice Questions

Choose the correct answer for each question:

1. What is the definition of division?
 - a. The process of adding numbers
 - b. The process of subtracting numbers
 - c. The process of sharing or grouping numbers
 - d. The process of multiplying numbers
2. What is the symbol for division?
 - a. +
 - b. -
 - c. x
 - d. \div
3. If you have 12 pencils and you want to share them equally among 4 of your friends, how many pencils will each friend get?
 - a. 2
 - b. 3
 - c. 4
 - d. 6
4. A bookshelf has 18 books on it. If the books are arranged in rows of 3, how many rows can be made?
 - a. 4
 - b. 5
 - c. 6
 - d. 8
5. What is the result of $12 \div 4$?
 - a. 2
 - b. 3
 - c. 4
 - d. 6

Section 2: Short Answer Questions

Answer each question in complete sentences:

1. If you have 15 cookies and you want to package them in bags of 3, how many bags can you make?

2. A group of friends want to share some candy equally. If they have 24 pieces of candy and there are 4 friends, how many pieces of candy will each friend get?

3. A bookshelf has 24 books on it. If the books are arranged in rows of 4, how many rows can be made?

4. If you have 18 pencils and you want to share them equally among 3 of your friends, how many pencils will each friend get?

5. What is the result of $20 \div 5$?

Section 3: Word Problems

Read each problem carefully and answer in complete sentences:

1. Tom has 15 cookies that he wants to package in bags of 3. How many bags can he make?

2. A group of friends want to share some candy equally. If they have 24 pieces of candy and there are 4 friends, how many pieces of candy will each friend get?

3. A bookshelf has 18 books on it. If the books are arranged in rows of 3, how many rows can be made?

4. If you have 12 pencils and you want to share them equally among 4 of your friends, how many pencils will each friend get?

5. A bakery has 24 cupcakes that they want to package in boxes of 4. How many boxes can they make?

Section 4: Open-Ended Question

Answer the following question in complete sentences:

1. Describe a situation where you would use division in your everyday life. Explain how you would use division to solve the problem.

Answer Key

Check your answers with the following key:

Multiple Choice Questions

1. c) The process of sharing or grouping numbers
2. d) \div
3. b) 3
4. b) 6
5. b) 3

Short Answer Questions

1. 5 bags
2. 6 pieces of candy
3. 6 rows
4. 6 pencils
5. 4

Word Problems

1. 5 bags
2. 6 pieces of candy
3. 6 rows
4. 3 pencils
5. 6 boxes

Assessment Rubric

Your work will be assessed based on the following criteria:

Multiple Choice Questions

1 point for each correct answer

Short Answer Questions

2 points for each correct answer (1 point for correct calculation and 1 point for correct explanation)

Word Problems

2 points for each correct answer (1 point for correct calculation and 1 point for correct explanation)

Open-Ended Question

5 points for a complete and correct response (2 points for correct situation, 1 point for correct calculation, 1 point for correct explanation, and 1 point for clarity and coherence)

