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Division Worksheets Grade 5 Answer Key PDF

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Part 1: Building a Foundation

What is the result called in a division problem?

undefined. A) Dividend

undefined. B) Divisor

undefined. C) Quotient ✓

undefined. D) Remainder

The result of a division problem is called the quotient.

Which of the following are terms used in division?

undefined. A) Dividend ✓

undefined. B) Factor

undefined. C) Quotient ✓

undefined. D) Remainder ✓

The terms used in division include dividend, quotient, and remainder.

Explain the relationship between division and multiplication.

Division is the inverse operation of multiplication; dividing a number is finding how many times another number fits into it.

List the components of a division equation.

1. What is the dividend?

The number being divided.

2. What is the divisor?

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The number by which the dividend is divided.

3. What is the quotient?

The result of the division.

4. What is the remainder?

The amount left over after division.

The components of a division equation include the dividend, divisor, quotient, and remainder.

What is the term for the number that is divided in a division problem?

undefined. A) Quotient

undefined. B) Divisor

undefined. C) Dividend ✓

undefined. D) Remainder

The term for the number that is divided is the dividend.

Part 2: Understanding and Application

If a division problem has a remainder, which of the following statements is true?

undefined. A) The dividend is a multiple of the divisor.

undefined. B) The divisor is larger than the dividend.

undefined. C) The dividend is not a multiple of the divisor. ✓

undefined. D) The quotient is zero.

If a division problem has a remainder, it means the dividend is not a multiple of the divisor.

Which of the following statements about division are true?

undefined. A) Division is repeated subtraction. ✓

undefined. B) Division can have a remainder. ✓

undefined. C) Division by zero is possible.

undefined. D) Division is the same as multiplication.

True statements about division include that it can have a remainder and is repeated subtraction.

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A baker has 52 cookies and wants to package them into boxes of 8. How many full boxes can the baker make, and how many cookies will be left over?

The baker can make 6 full boxes with 4 cookies left over.

If you divide 45 by 9, what is the quotient?

undefined. A) 4

undefined. B) 5 ✓

undefined. C) 6

undefined. D) 7

The quotient of 45 divided by 9 is 5.

Part 3: Analysis, Evaluation, and Creation

If the quotient of a division problem is 8 and the divisor is 5, what is the dividend?

undefined. A) 35

undefined. B) 40 ✓

undefined. C) 45

undefined. D) 50

The dividend is 40, calculated by multiplying the quotient by the divisor.

Which of the following statements are correct about the division of decimals?

undefined. A) The divisor must be a whole number.

undefined. B) You can divide decimals by converting them to fractions. ✓

undefined. C) The quotient is always a decimal.

undefined. D) The remainder is always zero.

Correct statements include that you can divide decimals by converting them to fractions.

Create a real-world word problem involving division and provide a solution.

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An example could be sharing 24 apples among 6 friends, resulting in each friend getting 4 apples.

Propose two different division scenarios where the remainder is important and explain why.

1. Scenario 1

Distributing 10 candies among 3 children, leaving 1 candy.

2. Scenario 2

Dividing 15 pencils among 4 students, leaving 3 pencils.

One scenario could be distributing 10 candies among 3 children, leaving 1 candy as a remainder. Another could be dividing 15 pencils among 4 students, leaving 3 pencils.

Which division problem demonstrates the best understanding of dividing a number into equal parts?

undefined. A) $16 \div 2 = 8$

undefined. B) $15 \div 3 = 5$

undefined. C) $18 \div 4 = 4.5$ ✓

undefined. D) $20 \div 5 = 4$

The division problem $18 \div 4 = 4.5$ demonstrates understanding as it shows division into equal parts.

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