

## Spanish Math Worksheets

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### Part 1: Building a Foundation

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**What is the value of the digit '5' in the number 3,572?**

*Hint: Consider the place value of the digit.*

- 5
- 50
- 500
- 5,000

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- A) 5
- B) 50
- C) 500
- D) 5,000

**Which of the following numbers are prime?**

*Hint: A prime number is only divisible by 1 and itself.*

- 2

- 4
- 7
- 9

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*Hint: Recall the definition of prime numbers.*

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- 4
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*Hint: A prime number is only divisible by 1 and itself.*

- A) 2
- B) 4
- C) 7
- D) 9

**Explain the difference between an acute angle and an obtuse angle.**

*Hint: Consider the degree measurement of each angle type.*

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**List the first three terms of the arithmetic sequence starting with 2 and having a common difference of 3.**

*Hint: Add the common difference to each term to find the next one.*

1. First term

2. Second term

3. Third term

**What is the perimeter of a rectangle with a length of 5 units and a width of 3 units?**

*Hint: Use the formula for perimeter:  $P = 2(\text{length} + \text{width})$ .*

- 8 units
- 15 units
- 16 units
- 18 units

**What is the perimeter of a rectangle with a length of 5 units and a width of 3 units?**

*Hint: Use the perimeter formula for rectangles.*

- 8 units
- 15 units
- 16 units
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- B) 15 units
- C) 16 units
- D) 18 units

## Part 2: Understanding and Interpretation

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**Which of the following expressions correctly simplifies  $3(x + 4) - 2x$ ?**

*Hint: Distribute and combine like terms.*

- $3x + 12 - 2x$
- $x + 12$
- $x + 8$
- $3x + 4$

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- D)  $3x + 4$

**Which of the following are properties of a square?**

*Hint: Consider the characteristics that define a square.*

- All sides are equal.
- Opposite sides are parallel.
- All angles are right angles.
- Diagonals bisect each other at right angles.

**Which of the following are properties of a square?**

*Hint: Think about the characteristics that define a square.*

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- Opposite sides are parallel.
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**Describe how to convert a fraction to a decimal.**

*Hint: Consider the division of the numerator by the denominator.*

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**Describe how to convert a fraction to a decimal.**

*Hint: Think about division and place value.*

### Part 3: Application and Analysis

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**If a car travels at a speed of 60 km/h, how far will it travel in 2.5 hours?**

*Hint: Use the formula  $\text{distance} = \text{speed} \times \text{time}$ .*

- 120 km
- 150 km
- 180 km
- 200 km

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- B) 150 km
- C) 180 km
- D) 200 km

**Which of the following scenarios involve probability?**

*Hint: Think about situations that involve chance.*

- Flipping a coin.
- Measuring the length of a table.
- Rolling a die.
- Calculating the area of a circle.

**Which of the following scenarios involve probability?**

*Hint: Think about events that have uncertain outcomes.*

- Flipping a coin.
- Measuring the length of a table.
- Rolling a die.
- Calculating the area of a circle.

**Which of the following scenarios involve probability?**

*Hint: Consider events that have uncertain outcomes.*

- A) Flipping a coin.
- B) Measuring the length of a table.
- C) Rolling a die.
- D) Calculating the area of a circle.

**Solve the equation  $2x + 3 = 11$  and explain each step.**

*Hint: Think about isolating the variable.*

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*Hint: Consider isolating the variable  $x$ .*

**Solve the equation  $2x + 3 = 11$  and explain each step.**

*Hint: Show your work and reasoning.*

**Which of the following statements is true about the relationship between diameter and radius of a circle?**

*Hint: Consider the definitions of diameter and radius.*

- The diameter is half the radius.
- The radius is half the diameter.
- The diameter is twice the radius.
- The radius is twice the diameter.



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*Hint: Consider the definitions of diameter and radius.*

- A) The diameter is half the radius.
- B) The radius is half the diameter.
- C) The diameter is twice the radius.
- D) The radius is twice the diameter.

**Analyze the following data set: [3, 7, 7, 2, 9]. Which of the following are correct?**

*Hint: Calculate the mean, median, mode, and range of the data set.*

- The mean is 5.6.
- The median is 7.
- The mode is 7.
- The range is 7.

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- A) The mean is 5.6.
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- C) The mode is 7.
- D) The range is 7.

**Break down the steps to find the area of a triangle given its base and height.**

*Hint: Consider the formula for the area of a triangle.*

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*Hint: Use the formula  $A = 1/2 \times \text{base} \times \text{height}$ .*

## Part 4: Evaluation and Creation

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**Which of the following is the best estimate for the square root of 50?**

*Hint: Consider the perfect squares around 50.*

- 6.5
- 7
- 7.5

8

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7.5

8

**Which of the following is the best estimate for the square root of 50?**

*Hint: Consider the perfect squares around 50.*

A) 6.5

B) 7

C) 7.5

D) 8

**Evaluate the following scenarios and select those that demonstrate a linear relationship.**

*Hint: Think about how one variable affects another.*

- The height of a plant over time.
- The area of a square as its side length increases.
- The temperature throughout the day.
- The cost of apples by weight.

**Evaluate the following scenarios and select those that demonstrate a linear relationship.**

*Hint: Think about how the variables change in relation to each other.*

- The height of a plant over time.
- The area of a square as its side length increases.
- The temperature throughout the day.
- The cost of apples by weight.

**Evaluate the following scenarios and select those that demonstrate a linear relationship.**

*Hint: Consider how one variable affects another.*

- A) The height of a plant over time.
- B) The area of a square as its side length increases.
- C) The temperature throughout the day.

- D) The cost of apples by weight.

**Design a real-world problem that involves calculating the volume of a cylinder. Include all necessary measurements and provide a solution.**

*Hint: Consider the formula for the volume of a cylinder.*

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*Hint: Consider the formula for volume:  $V = \pi r^2 h$ .*