

# Summer Work 2026

Incoming grade 6 students

Name \_\_\_\_\_

## Multiplication and Long Division

### Quick Reminder

- Multiplication: When multiplying multi-digit numbers, don't forget the placeholder zero when you move to the tens place!
- Long Division: Remember the steps: Divide, Multiply, Subtract, Bring down.

### Practice Problems

1.  $74 \times 8 =$  \_\_\_\_\_
2.  $53 \times 26 =$  \_\_\_\_\_
3.  $345 \times 12 =$  \_\_\_\_\_
4.  $72 \div 4 =$  \_\_\_\_\_
5.  $288 \div 9 =$  \_\_\_\_\_
6.  $516 \div 12 =$  \_\_\_\_\_

### Word Problem

A school cafeteria ordered 432 apples. If they pack them evenly into 18 crates, how many apples will be in each crate?

## Fractions

### Quick Reminder

- Adding and Subtracting: You must find a Common Denominator first. Whatever you do to the bottom number, you must do to the top number!
- Simplifying: Always reduce your final answer to its lowest terms by dividing the top and bottom by the same biggest number.

### Practice Problems

1.  $\frac{2}{5} + \frac{1}{5} = \text{-----}$
2.  $\frac{1}{3} + \frac{2}{9} = \text{-----}$
3.  $\frac{7}{8} - \frac{3}{4} = \text{-----}$
4.  $\frac{5}{6} - \frac{1}{3} = \text{-----}$
5. Challenge:  $\frac{1}{2} + \frac{3}{5} = \text{-----}$

### Word Problem

Maya used  $\frac{1}{2}$  a cup of sugar for a batch of cookies and  $\frac{1}{3}$  a cup of sugar for a cake. How much total sugar did she use?

## Decimals

### Quick Reminder

- Line 'Em Up!: When adding and subtracting decimals, always line up the decimal points vertically. Add placeholder zeros if necessary (like changing 4.2 to 4.20).
- Multiplying: Do NOT line up the decimals. Multiply like normal, count the total number of decimal places in the problem, and move the decimal point that many spots to the left in your final answer.

### Practice Problems

1.  $4.52 + 3.17 = \text{-----}$

2.  $12.8 - 5.43 = \text{-----}$

3.  $6.09 + 14.8 = \text{-----}$

4.  $3.2 \times 4 = \text{-----}$

5.  $1.5 \times 0.6 = \text{-----}$

### Word Problem

Leo has a \$20 bill. He buys a sandwich for \$7.45 and a drink for \$2.10. How much change will he get back?

## The Fraction-Decimal Bridge and Intro to Ratios

### Quick Reminder

- Fractions to Decimals: Think of a fraction as a division problem.  $1/4$  means 1 divided by 4, which equals 0.25.
- Ratios: A ratio compares two quantities. It can be written with a colon (2:3), as a fraction ( $2/3$ ), or using the word "to" (2 to 3). Always keep the numbers in the same order as the question asks!

### Practice Problems

Convert the fraction to a decimal:

1.  $1/2 =$  \_\_\_\_\_

2.  $3/4 =$  \_\_\_\_\_

3.  $1/10 =$  \_\_\_\_\_

Write the ratio: 4. A basket has 5 red apples and 7 green apples. What is the ratio of red apples to green apples? \_\_\_\_\_ 5. A pizza has 8 slices. 3 slices have pepperoni and 5 are plain cheese. What is the ratio of pepperoni slices to total slices? \_\_\_\_\_

### Word Problem

In a classroom, there are 12 boys and 15 girls. Write the ratio of boys to girls in its simplest fraction form.

