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Summer Math Packet

Rising 6th Graders • 60 Days • 5 Questions Per Day

Student Name:

_____

Teacher / Parent:

_____

Answers are located at the back of this packet.

How to Use This Packet

This packet covers 60 days of math practice — one page per day — aligned with 5th grade skills to keep your child sharp for 6th grade.

Tips for Success:

- Complete one day per day — no rush, no pressure!
- Work in a quiet spot with a pencil and scratch paper.
- Try all 5 questions before checking answers.
- The Answer Key is at the back — use it to check work after each day.
- Circle any missed questions and try them again the next day.

Topics Covered:

- Fraction & decimal operations, order of operations, and exponents
- Ratios, unit rates, and percent of a number
- Negative numbers, integer operations, and the coordinate plane
- Algebraic expressions, the distributive property, and one-step equations
- Area of triangles, parallelograms & trapezoids; volume & surface area
- Statistics — mean, median, mode, range, box plots, and probability
- GCF, LCM, prime factorization, inequalities, and word problems

Day 1 Multiplying & Dividing Multi-Digit Numbers

Name: _____

1. What is 234 × 56?
Answer: _____

2. What is 1,260 ÷ 14?
Answer: _____

3. What is 789 × 23?
Answer: _____

4. What is 5,184 ÷ 24?
Answer: _____

5. What is 408 × 17?
Answer: _____

Score: ___ / 5

Day 2 Adding & Subtracting Fractions

Name: _____

1. What is 2/3 + 3/4?
Answer: _____

2. What is 5/6 − 1/4?
Answer: _____

3. What is 1 1/2 + 2 2/3?
Answer: _____

4. What is 3 1/4 − 1 1/2?
Answer: _____

5. What is 7/8 + 1/3?
Answer: _____

Score: ___ / 5

Day 3 Multiplying & Dividing Fractions

Name: _____

1. What is 2/3 × 3/5?
   Answer: _____

2. What is 1/4 ÷ 1/2?
   Answer: _____

3. What is 2 1/2 × 1 1/3?
   Answer: _____

4. What is 3/4 ÷ 2?
   Answer: _____

5. What is 5/6 ÷ 1/3?
   Answer: _____

Score: ___ / 5

Day 4 Decimal Operations

Name: _____

1. What is 4.56 + 3.7?
   Answer: _____

2. What is 12.5 − 3.75?
   Answer: _____

3. What is 2.5 × 1.4?
   Answer: _____

4. What is 9.6 ÷ 0.4?
   Answer: _____

5. What is 0.08 × 100?
   Answer: _____

Score: ___ / 5

Day 5 Order of Operations & Exponents

Name: _____

1. Evaluate: $3^2 + 4 \times 2$

   Answer: _____

2. Evaluate: $(2 + 3)^2$

   Answer: _____

3. Evaluate: $5 \times (8 - 3)^2$

   Answer: _____

4. Evaluate: $2^3 + 3^2$

   Answer: _____

5. Evaluate: $100 \div (2 + 3)^2$

   Answer: _____

Score: ___ / 5

Day 6 Ratios — Intro

Name: _____

1. Write the ratio of 4 apples to 6 oranges in simplest form.

Answer: _____

2. If there are 10 boys and 15 girls, what is the ratio of boys to total students?

Answer: _____

3. A recipe uses a ratio of 2 cups flour to 1 cup sugar. How much sugar for 6 cups flour?

Answer: _____

4. Write 8:12 in simplest form.

Answer: _____

5. If the ratio of cats to dogs is 3:4 and there are 12 cats, how many dogs are there?

Answer: _____

Score: ___ / 5

Day 7 Unit Rates

Name: _____

1. If a car travels 150 miles in 3 hours, what is its unit rate (mph)?
   Answer: _____

2. If 4 apples cost $2, what is the cost per apple?
   Answer: _____

3. A printer prints 120 pages in 4 minutes. What is the unit rate?
   Answer: _____

4. Which is the better deal: 3 pens for $1.50 or 5 pens for $2.00?
   Answer: _____

5. If you earn $45 for 5 hours of work, what is your hourly rate?
   Answer: _____

Score: ___ / 5

Day 8 Percent — Intro

Name: _____

1. What is 10% of 90?
   Answer: _____

2. What is 50% of 36?
   Answer: _____

3. What is 25% of 200?
   Answer: _____

4. 12 out of 24 is what percent?
   Answer: _____

5. What is 100% of any number n?
   Answer: _____

Score: ___ / 5

Day 9 Negative Numbers & Number Lines

Name: _____

1. Order from least to greatest: −3, 5, −7, 0, 2

   Answer: _____

2. What is the opposite of −8?

   Answer: _____

3. Which number is farther from 0: −12 or 9?

   Answer: _____

4. What is |−15|?

   Answer: _____

5. On a number line, is −4 greater or less than −1?

   Answer: _____

Score: ___ / 5

Day 10 The Coordinate Plane — All 4 Quadrants

Name: _____

1. In which quadrant is the point (−2, 3)?
   Answer: _____

2. In which quadrant is the point (−4, −5)?
   Answer: _____

3. In which quadrant is the point (6, −1)?
   Answer: _____

4. What is the reflection of (3, 5) across the x-axis?
   Answer: _____

5. What is the reflection of (−2, 4) across the y-axis?
   Answer: _____

Score: ___ / 5

Day 11 Algebraic Expressions — Intro

Name: _____

1. Write an expression for 'a number x increased by 7'.
Answer: _____

2. Evaluate 3x when x = 5.
Answer: _____

3. Evaluate x + 4 when x = 9.
Answer: _____

4. Write an expression for 'the product of 6 and a number n'.
Answer: _____

5. Evaluate 2x − 3 when x = 4.
Answer: _____

Score: ___ / 5

Day 12 Writing & Solving One-Step Equations

Name: _____

1. Solve: x + 5 = 12
   Answer: _____

2. Solve: x − 3 = 10
   Answer: _____

3. Solve: 4x = 28
   Answer: _____

4. Solve: x/5 = 6
   Answer: _____

5. If a number plus 9 equals 20, what is the number?
   Answer: _____

Score: ___ / 5

Day 13 Volume of Rectangular Prisms with Fractions

Name: _____

1. Find the volume of a box that is 2 1/2 × 2 × 3.

Answer: _____

2. Find the volume of a cube with side 1.5.

Answer: _____

3. A box is 4 ft × 3 ft × 2.5 ft. What is its volume?

Answer: _____

4. Find the volume of a box 1/2 × 4 × 6.

Answer: _____

5. If a box has volume 100 cubic units, length 5, and width 4, find the height.

Answer: _____

Score: ___ / 5

Day 14 Area of Triangles

Name: _____

1. What is the formula for the area of a triangle?

Answer: _____

2. Find the area of a triangle with base 8 and height 5.

Answer: _____

3. Find the area of a triangle with base 10 and height 6.

Answer: _____

4. A triangle has an area of 24 sq units and a base of 8. Find the height.

Answer: _____

5. Find the area of a right triangle with legs 6 and 9.

Answer: _____

Score: ___ / 5

Day 15 Area of Parallelograms & Trapezoids

Name: _____

1. What is the formula for the area of a parallelogram?

Answer: _____

2. Find the area of a parallelogram with base 10 and height 4.

Answer: _____

3. What is the formula for the area of a trapezoid?

Answer: _____

4. Find the area of a trapezoid with bases 6 and 10, and height 4.

Answer: _____

5. A parallelogram has an area of 56 sq units and a height of 8. Find the base.

Answer: _____

Score: ___ / 5

Day 16 Statistics — Mean, Median, Mode, Range

Name: _____

1. Find the mean of: 4, 8, 6, 10, 12

Answer: _____

2. Find the median of: 3, 7, 9, 12, 15

Answer: _____

3. Find the mode of: 2, 5, 5, 7, 9

Answer: _____

4. Find the range of: 10, 25, 18, 4, 30

Answer: _____

5. Find the mean of: 5, 10, 15, 20

Answer: _____

Score: ___ / 5

Day 17 Dividing Multi-Digit Decimals

Name: _____

1. What is 12.6 ÷ 0.3?
   Answer: _____

2. What is 5.04 ÷ 1.2?
   Answer: _____

3. What is 100 ÷ 0.25?
   Answer: _____

4. What is 7.5 ÷ 2.5?
   Answer: _____

5. What is 0.81 ÷ 0.9?
   Answer: _____

Score: ___ / 5

Day 18 Greatest Common Factor & Least Common Multiple

Name: _____

1. Find the GCF of 12 and 18.
Answer: _____

2. Find the LCM of 4 and 6.
Answer: _____

3. Find the GCF of 24 and 36.
Answer: _____

4. Find the LCM of 5 and 8.
Answer: _____

5. Find the GCF of 15 and 25.
Answer: _____

Score: ___ / 5

Day 19 Converting Fractions, Decimals & Percents

Name: _____

1. Write 3/8 as a decimal.
Answer: _____

2. Write 0.6 as a percent.
Answer: _____

3. Write 45% as a fraction in simplest form.
Answer: _____

4. Write 1/8 as a percent.
Answer: _____

5. Write 1.25 as a percent.
Answer: _____

Score: ___ / 5

Day 20 Mixed Review — Weeks 1–4

Name: _____

1. What is 3/4 ÷ 1/8?
Answer: _____

2. Find the area of a triangle with base 12 and height 7.
Answer: _____

3. What is $2^3 \times 3^2$?
Answer: _____

4. Solve: 5x = 45
Answer: _____

5. What is the GCF of 16 and 24?
Answer: _____

Score: ___ / 5

Day 21 Ratio Tables & Equivalent Ratios

Name: _____

1. If the ratio is 2:5, what is the equivalent ratio when the first term is 6?
   Answer: _____

2. Complete the ratio table: 1:3, 2:6, 3:___?
   Answer: _____

3. If 3 notebooks cost $6, how much do 9 notebooks cost?
   Answer: _____

4. A map scale is 1 inch = 50 miles. How many miles is 3.5 inches?
   Answer: _____

5. If the ratio of red to blue marbles is 4:3 and there are 28 marbles total, how many are red?
   Answer: _____

Score: ___ / 5

Day 22 Percent of a Number — Word Problems

Name: _____

1. A shirt costs $40. It is on sale for 20% off. What is the discount amount?
Answer: _____

2. A class has 30 students. 60% are girls. How many girls are there?
Answer: _____

3. If a $50 item has 8% sales tax, how much is the tax?
Answer: _____

4. A survey shows 75% of 80 people prefer pizza. How many people is that?
Answer: _____

5. If 15 is 25% of a number, what is the number?
Answer: _____

Score: ___ / 5

Day 23 Algebraic Expressions — Combining Like Terms

Name: _____

1. Simplify: 3x + 5x

Answer: _____

2. Simplify: 4y + 3 − y + 7

Answer: _____

3. Simplify: 2a + 3b + a − b

Answer: _____

4. Simplify: 6x − 2x + 5

Answer: _____

5. Simplify: 10 + 2x − 4

Answer: _____

Score: ___ / 5

Day 24 The Distributive Property

Name: _____

1. Expand: 4(x + 3)
   Answer: _____

2. Expand: 2(3x − 5)
   Answer: _____

3. Factor: 6x + 12 (factor out the GCF)
   Answer: _____

4. Expand: 5(2 + y)
   Answer: _____

5. Factor: 8x + 4
   Answer: _____

Score: ___ / 5

Day 25 Inequalities — Intro

Name: _____

1. Write an inequality for 'x is greater than 5'.
Answer: _____

2. Is x = 6 a solution to x ≤ 6?
Answer: _____

3. Solve: x + 3 > 10
Answer: _____

4. Solve: 2x ≤ 14
Answer: _____

5. Write an inequality for 'a number is at most 10'.
Answer: _____

Score: ___ / 5

Day 26 Surface Area — Intro

Name: _____

1. What is surface area?
Answer: _____

2. How many faces does a rectangular prism have?
Answer: _____

3. Find the surface area of a cube with side length 3 ($6 \times \text{side}^2$).
Answer: _____

4. A rectangular prism has faces with areas 12, 12, 8, 8, 6, 6. What is the total surface area?
Answer: _____

5. Find the area of one face of a cube with side 5.
Answer: _____

Score: ___ / 5

Day 27 Nets of 3D Shapes

Name: _____

1. What is a net?

Answer: _____

2. What shapes make up the net of a cube?

Answer: _____

3. What shapes make up the net of a rectangular prism?

Answer: _____

4. What 3D shape is formed by a net with 2 triangles and 3 rectangles?

Answer: _____

5. How many faces would a net for a square pyramid have?

Answer: _____

Score: ___ / 5

Day 28 Dividing Fractions — Word Problems

Name: _____

1. A recipe needs 3/4 cup of flour per batch. How many batches can you make with 6 cups?
Answer: _____

2. A board is 8 feet long. How many 2/3-foot pieces can be cut from it?
Answer: _____

3. If 1/2 of a pizza is shared among 3 people, what fraction does each person get?
Answer: _____

4. A ribbon is 5 yards long. If each bow uses 1/4 yard, how many bows can be made?
Answer: _____

5. How many 1/3-cup servings are in 4 cups?
Answer: _____

Score: ___ / 5

Day 29 Coordinate Plane — Distance & Shapes

Name: _____

1. Find the distance between (−3, 2) and (5, 2).
Answer: _____

2. Find the distance between (1, −4) and (1, 6).
Answer: _____

3. Plot (0,0), (4,0), (4,3), (0,3). What is the area of this rectangle?
Answer: _____

4. What is the perimeter of the rectangle in the question above?
Answer: _____

5. If a point is reflected over both axes, (3, 5) becomes ___?
Answer: _____

Score: ___ / 5

Day 30 Mixed Review — Weeks 5–6

Name: _____

1. What is 40% of 60?
Answer: _____

2. Simplify: 3(2x + 4) − 5
Answer: _____

3. Solve: x − 7 ≥ 3
Answer: _____

4. Find the surface area of a cube with side 4.
Answer: _____

5. How many 1/4's are in 5?
Answer: _____

Score: ___ / 5

Day 31 Integers — Operations

Name: _____

1. What is −5 + 8?
Answer: _____

2. What is −3 − 4?
Answer: _____

3. What is −6 × (−2)?
Answer: _____

4. What is 15 ÷ (−3)?
Answer: _____

5. What is −8 + (−2)?
Answer: _____

Score: ___ / 5

Day 32 Statistical Questions & Data Displays

Name: _____

1. What makes a question a 'statistical question'?
Answer: _____

2. What type of graph shows data divided into categories with bars?
Answer: _____

3. What type of graph shows data changing over time?
Answer: _____

4. What is a dot plot useful for?
Answer: _____

5. If a histogram bar for 10–20 has height 6, what does that mean?
Answer: _____

Score: ___ / 5

Day 33 Equations with Two Operations

Name: _____

1. Solve: 2x + 3 = 11
   Answer: _____

2. Solve: 3x − 5 = 10
   Answer: _____

3. Solve: x/2 + 1 = 6
   Answer: _____

4. Solve: 4x − 2 = 14
   Answer: _____

5. Solve: 2(x + 1) = 10
   Answer: _____

Score: ___ / 5

Day 34 Volume & Surface Area — Word Problems

Name: _____

1. A fish tank is 2 ft × 1.5 ft × 1 ft. What is its volume?
Answer: _____

2. How much wrapping paper (surface area) is needed for a box 4 × 3 × 2?
Answer: _____

3. A cube-shaped storage box has volume 27 cubic feet. What is the length of each side?
Answer: _____

4. Two boxes have volumes 18 and 24 cubic feet. What is their combined volume?
Answer: _____

5. A box is 5 × 4 × 3. Find both its volume and surface area.
Answer: _____

Score: ___ / 5

Day 35 Mixed Review — Week 7

Name: _____

1. What is −12 + 5?
Answer: _____

2. Solve: 5x + 4 = 24
Answer: _____

3. Find the mean of: 6, 9, 12, 15, 18
Answer: _____

4. What is 7/9 − 2/9?
Answer: _____

5. What is the LCM of 6 and 9?
Answer: _____

Score: ___ / 5

Day 36 Exponents Review

Name: _____

1. What is 5^2?

   Answer: _____

2. What is 2^4?

   Answer: _____

3. What is 10^3?

   Answer: _____

4. What is 3^3?

   Answer: _____

5. What is 6^2?

   Answer: _____

Score: ___ / 5

Day 37 Prime & Composite Numbers

Name: _____

1. Is 17 prime or composite?
   Answer: _____

2. Is 24 prime or composite?
   Answer: _____

3. What is the prime factorization of 24?
   Answer: _____

4. What is the prime factorization of 36?
   Answer: _____

5. List all prime numbers between 1 and 20.
   Answer: _____

Score: ___ / 5

Day 38 Ratio & Percent — Mixed Word Problems

Name: _____

1. A team won 18 out of 20 games. What percent did they win?
Answer: _____

2. If the ratio of cats to dogs is 5:2 and there are 14 dogs, how many cats?
Answer: _____

3. A recipe serves 4 people and uses 2 cups of rice. How much rice for 10 people?
Answer: _____

4. A jacket originally $80 is now $60. What is the percent decrease?
Answer: _____

5. If 5 miles = 8 km, how many km is 15 miles?
Answer: _____

Score: ___ / 5

Day 39 Solving Equations — Practice

Name: _____

1. Solve: x + 12 = 30
   Answer: _____

2. Solve: 7x = 84
   Answer: _____

3. Solve: x − 15 = 9
   Answer: _____

4. Solve: x/4 = 11
   Answer: _____

5. Solve: 3x + 6 = 30
   Answer: _____

Score: ___ / 5

Day 40 Mixed Review — Weeks 7–8

Name: _____

1. What is 4^3?
Answer: _____

2. What is the prime factorization of 50?
Answer: _____

3. A jar of 60 candies is 1/3 chocolate. How many chocolate candies?
Answer: _____

4. Solve: $6x - 4 = 20$
Answer: _____

5. What is -7×3?
Answer: _____

Score: ___ / 5

Day 41 Adding & Subtracting Integers — Word Problems

Name: _____

1. The temperature was −5°F and rose 12°F. What is the new temperature?
Answer: _____

2. A submarine is at −150 feet and rises 50 feet. What is its new depth?
Answer: _____

3. You owe $20 (−20) and pay back $15. What is your new balance?
Answer: _____

4. A stock drops 8 points then rises 3 points. What is the net change?
Answer: _____

5. The elevation changes from −10 ft to 25 ft. What is the change in elevation?
Answer: _____

Score: ___ / 5

Day 42 Area & Perimeter — Composite Figures

Name: _____

1. A figure is made of a 4×6 rectangle and a 3×4 triangle on top. What is its total area?

Answer: _____

2. An L-shaped figure is made of two rectangles: 5×3 and 2×4. What is the total area?

Answer: _____

3. A shape's perimeter is made of sides 5, 5, 3, 3, 4, 4. What is the perimeter?

Answer: _____

4. A rectangle 10×8 has a 2×2 square cut from a corner. What is the remaining area?

Answer: _____

5. A figure is a square (side 6) with a semicircle (radius 3) on top. What is the area of the square part?

Answer: _____

Score: ___ / 5

Day 43 Box Plots & Quartiles

Name: _____

1. What does the median split a data set into?
Answer: _____

2. If Q1 = 5 and Q3 = 15, what is the interquartile range (IQR)?
Answer: _____

3. What part of the data does the 'box' in a box plot represent?
Answer: _____

4. What are the 'whiskers' in a box plot?
Answer: _____

5. If the minimum is 2 and Q1 is 8, what does the left whisker represent?
Answer: _____

Score: ___ / 5

Day 44 Multi-Step Word Problems

Name: _____

1. A school orders 8 boxes of 30 pencils. They give 45 away. How many remain?
Answer: _____

2. A car uses 1/20 of a tank per mile. How many miles on a full tank (1)?
Answer: _____

3. Tickets are $12 each. A group of 15 gets a 10% discount. What is the total cost?
Answer: _____

4. A rectangular garden is 12 ft by 8 ft. Half of it is planted with flowers. What is the flower area?
Answer: _____

5. A recipe needs 2 1/4 cups flour for 1 batch. How much for 4 batches?
Answer: _____

Score: ___ / 5

Day 45 Mixed Review — Week 9

Name: _____

1. What is the area of an L-shape made of a 3×5 and 2×2 rectangle?
Answer: _____

2. Find the IQR if Q1 = 12 and Q3 = 28.
Answer: _____

3. What is −20 + 35?
Answer: _____

4. Solve: 8x = 96
Answer: _____

5. What is 0.45 as a percent?
Answer: _____

Score: ___ / 5

Day 46 Algebraic Equations — Word Problems

Name: _____

1. A number increased by 8 is 25. Write and solve an equation.
Answer: _____

2. Three times a number is 36. Write and solve an equation.
Answer: _____

3. A number divided by 6 is 9. Write and solve an equation.
Answer: _____

4. Twice a number plus 5 is 21. Write and solve an equation.
Answer: _____

5. A number minus 14 is 22. Write and solve an equation.
Answer: _____

Score: ___ / 5

Day 47 Inequalities — Word Problems

Name: _____

1. A ride requires riders to be at least 48 inches tall. Write an inequality.
Answer: _____

2. A budget allows spending no more than $50. Write an inequality.
Answer: _____

3. Solve: $3x + 2 < 14$
Answer: _____

4. If a box can hold at most 20 books and already has 8, write an inequality for additional books (x).
Answer: _____

5. Solve: $x - 5 > -2$
Answer: _____

Score: ___ / 5

Day 48 Circles — Intro

Name: _____

1. What is the radius of a circle with diameter 10?
Answer: _____

2. What is the diameter of a circle with radius 7?
Answer: _____

3. What is the formula for the circumference of a circle?
Answer: _____

4. What is the formula for the area of a circle?
Answer: _____

5. Estimate the circumference of a circle with radius 5, using $\pi \approx 3.14$.
Answer: _____

Score: ___ / 5

Day 49 Data Distributions — Comparing

Name: _____

1. If two data sets have the same mean but different ranges, which has more variability?

Answer: _____

2. What does it mean if a distribution is 'symmetric'?

Answer: _____

3. What is an outlier?

Answer: _____

4. If most data clusters on the left with a tail to the right, the distribution is ___?

Answer: _____

5. Why might the median be a better measure of center than the mean for skewed data?

Answer: _____

Score: ___ / 5

Day 50 Mixed Review — Week 10

Name: _____

1. A number times 4 is 48. Find the number.
Answer: _____

2. Solve: $2x - 3 \leq 9$
Answer: _____

3. Find the area of a circle with radius 4 ($\pi \approx 3.14$).
Answer: _____

4. What is 5/8 + 1/4?
Answer: _____

5. What is the mode of: 7, 7, 8, 9, 9, 9?
Answer: _____

Score: ___ / 5

Day 51 Multiplying & Dividing Integers — Practice

Name: _____

1. What is (−4) × (−5)?
   Answer: _____

2. What is 18 ÷ (−6)?
   Answer: _____

3. What is (−3) × 7?
   Answer: _____

4. What is (−24) ÷ (−4)?
   Answer: _____

5. What is (−2) × (−3) × (−1)?
   Answer: _____

Score: ___ / 5

Day 52 Probability — Intro

Name: _____

1. What is the probability of flipping heads on a fair coin?
Answer: _____

2. A bag has 3 red and 7 blue marbles. What is P(red)?
Answer: _____

3. What is the probability of rolling a number greater than 4 on a 6-sided die?
Answer: _____

4. If P(rain) = 0.3, what is P(no rain)?
Answer: _____

5. A spinner has 8 equal sections. What is the probability of landing on any one section?
Answer: _____

Score: ___ / 5

Day 53 Geometry — Volume Word Problems

Name: _____

1. A swimming pool is 20 ft × 10 ft × 5 ft. What is its volume?
Answer: _____

2. A cereal box is 8 in × 2 in × 12 in. What is its volume?
Answer: _____

3. If a cube has a volume of 64 cubic feet, what is the length of one edge?
Answer: _____

4. A rectangular tank holds 240 cubic feet. Its base is 6 × 8. Find the height.
Answer: _____

5. Two cubes have side lengths 2 and 3. What is the difference in their volumes?
Answer: _____

Score: ___ / 5

Day 54 Expressions & Equations — Review

Name: _____

1. Simplify: 5x + 3y − 2x + y

Answer: _____

2. Evaluate $2x^2$ when x = 3.

Answer: _____

3. Solve: 4(x − 2) = 16

Answer: _____

4. Write an expression for 'half of a number, increased by 3'.

Answer: _____

5. Solve: x/3 + 2 = 7

Answer: _____

Score: ___ / 5

Day 55 Mixed Review — Week 11

Name: _____

1. What is (−6) × (−6)?
Answer: _____

2. A bag has 5 green and 15 other marbles. What is P(green)?
Answer: _____

3. Find the volume of a box 3 × 4 × 5.
Answer: _____

4. Simplify: 7a − 3a + 2b
Answer: _____

5. What is the LCM of 8 and 12?
Answer: _____

Score: ___ / 5

Day 56 Comprehensive Review I

Name: _____

1. What is 3/4 × 2/3?
Answer: _____

2. Solve: 5x − 6 = 24
Answer: _____

3. Find the area of a parallelogram with base 12 and height 5.
Answer: _____

4. What is −15 + 22?
Answer: _____

5. What is 60% of 90?
Answer: _____

Score: ___ / 5

Day 57 Comprehensive Review II

Name: _____

1. What is the GCF of 18 and 27?
Answer: _____

2. Solve: 2x + 7 < 19
Answer: _____

3. Find the volume of a cube with side 7.
Answer: _____

4. What is 2.4 ÷ 0.6?
Answer: _____

5. What is the mean of: 10, 12, 14, 16, 18?
Answer: _____

Score: ___ / 5

Day 58 Comprehensive Review III

Name: _____

1. Evaluate: $4^2 - (3 + 1)$

   Answer: _____

2. Solve: $x - 9 = -3$

   Answer: _____

3. Find the area of a trapezoid with bases 5 and 9, height 4.

   Answer: _____

4. What is $5/6 \div 1/2$?

   Answer: _____

5. What is the prime factorization of 60?

   Answer: _____

Score: ___ / 5

Day 59 Comprehensive Review IV

Name: _____

1. What is (−9) + (−5)?

Answer: _____

2. Solve: 3(x + 2) = 21

Answer: _____

3. Find the surface area of a rectangular prism 2 × 3 × 4.

Answer: _____

4. What is $7^2 + 2^3$?

Answer: _____

5. A spinner has 5 equal sections. What is the probability of NOT landing on section 1?

Answer: _____

Score: ___ / 5

Day 60 Day 60 — Ready for 6th Grade! 🎉

Name: _____

1. What is 2 1/3 + 1 3/4?
Answer: _____

2. Solve: 6x − 4 = 2x + 12
Answer: _____

3. Find the area of a circle with radius 6 (π ≈ 3.14).
Answer: _____

4. What is 75% of 80?
Answer: _____

5. What is the volume of a box 2.5 × 4 × 6?
Answer: _____

Score: ___ / 5

✅ ANSWER KEY

LatePass.com Summer Math Packet — Rising 6th Grade

Check your answers after completing each day!

Day 1 Multiplying & Dividing Multi-Digit Numbers

1	13,104
2	90
3	18,147
4	216
5	6,936

Day 2 Adding & Subtracting Fractions

1	17/12 (or 1 5/12)
2	7/12
3	4 1/6
4	1 3/4
5	29/24 (or 1 5/24)

Day 3 Multiplying & Dividing Fractions

1	2/5
2	1/2
3	10/3 (or 3 1/3)
4	3/8
5	5/2 (or 2 1/2)

Day 4 Decimal Operations

1	8.26
2	8.75
3	3.5
4	24
5	8

Day 5 Order of Operations & Exponents

1	17
2	25
3	125
4	17
5	4

Day 6 Ratios — Intro

1	2:3
2	10:25 (or 2:5)
3	3 cups
4	2:3
5	16 dogs

Day 7 Unit Rates

1	50 mph
2	$0.50 per apple
3	30 pages per minute
4	5 pens for $2.00 ($0.40 each vs $0.50 each)
5	$9 per hour

Day 8 Percent — Intro

1	9
2	18
3	50
4	50%
5	n (the number itself)

Day 9 Negative Numbers & Number Lines

1	−7, −3, 0, 2, 5
2	8
3	−12
4	15
5	Less than (−4 < −1)

Day 10 The Coordinate Plane — All 4 Quadrants

1	Quadrant II
2	Quadrant III
3	Quadrant IV
4	(3, −5)
5	(2, 4)

Day 11 Algebraic Expressions — Intro

1	x + 7
2	15
3	13
4	6n
5	5

Day 12 Writing & Solving One-Step Equations

1	x = 7
2	x = 13
3	x = 7
4	x = 30
5	11

Day 13 Volume of Rectangular Prisms with Fractions

1	15 cubic units
2	3.375 cubic units
3	30 cubic feet
4	12 cubic units
5	5 units

Day 14 Area of Triangles

1	A = (1/2) × base × height
2	20 sq units
3	30 sq units
4	6 units
5	27 sq units

Day 15 Area of Parallelograms & Trapezoids

1	A = base × height
2	40 sq units
3	$A = (1/2)(b_1 + b_2) \times h$
4	32 sq units
5	7 units

Day 16 Statistics — Mean, Median, Mode, Range

1	8
2	9
3	5
4	26
5	12.5

Day 17 Dividing Multi-Digit Decimals

1	42
2	4.2
3	400
4	3
5	0.9

Day 18 Greatest Common Factor & Least Common Multiple

1	6
2	12
3	12
4	40
5	5

Day 19 Converting Fractions, Decimals & Percents

1	0.375
2	60%
3	9/20
4	12.5%
5	125%

Day 20 Mixed Review — Weeks 1–4

1	6
2	42 sq units
3	72
4	x = 9
5	8

Day 21 Ratio Tables & Equivalent Ratios

1	6:15
2	9
3	$18
4	175 miles
5	16 red marbles

Day 22 Percent of a Number — Word Problems

1	$8
2	18 girls
3	$4
4	60 people
5	60

Day 23 Algebraic Expressions — Combining Like Terms

1	8x
2	3y + 10
3	3a + 2b
4	4x + 5
5	2x + 6

Day 24 The Distributive Property

1	4x + 12
2	6x − 10
3	6(x + 2)
4	10 + 5y
5	4(2x + 1)

Day 25 Inequalities — Intro

1	x > 5
2	Yes
3	x > 7
4	x ≤ 7
5	x ≤ 10

Day 26 Surface Area — Intro

1	The total area of all the faces of a 3D shape
2	6 faces
3	54 sq units
4	52 sq units
5	25 sq units

Day 27 Nets of 3D Shapes

1	A 2D pattern that can be folded to form a 3D shape
2	6 squares
3	6 rectangles (in pairs)
4	Triangular prism
5	5 faces (1 square base + 4 triangles)

Day 28 Dividing Fractions — Word Problems

1	8 batches
2	12 pieces
3	1/6
4	20 bows
5	12 servings

Day 29 Coordinate Plane — Distance & Shapes

1	8 units
2	10 units
3	12 sq units
4	14 units
5	(−3, −5)

Day 30 Mixed Review — Weeks 5–6

1	24
2	6x + 7
3	x ≥ 10
4	96 sq units
5	20

Day 31 Integers — Operations

1	3
2	−7
3	12
4	−5
5	−10

Day 32 Statistical Questions & Data Displays

1	It can be answered by collecting data with variability
2	Bar graph
3	Line graph
4	Showing the frequency/distribution of small data sets
5	6 data values fall between 10 and 20

Day 33 Equations with Two Operations

1	x = 4
2	x = 5
3	x = 10
4	x = 4
5	x = 4

Day 34 Volume & Surface Area — Word Problems

1	3 cubic feet
2	52 sq units
3	3 feet
4	42 cubic feet
5	Volume = 60, Surface area = 94

Day 35 Mixed Review — Week 7

1	−7
2	x = 4
3	12
4	5/9
5	18

Day 36 Exponents Review

1	25
2	16
3	1,000
4	27
5	36

Day 37 Prime & Composite Numbers

1	Prime
2	Composite
3	$2^3 \times 3$
4	$2^2 \times 3^2$
5	2, 3, 5, 7, 11, 13, 17, 19

Day 38 Ratio & Percent — Mixed Word Problems

1	90%
2	35 cats
3	5 cups
4	25%
5	24 km

Day 39 Solving Equations — Practice

1	x = 18
2	x = 12
3	x = 24
4	x = 44
5	x = 8

Day 40 Mixed Review — Weeks 7–8

1	64
2	2×5^2
3	20 candies
4	x = 4
5	−21

Day 41 Adding & Subtracting Integers — Word Problems

1	7°F
2	−100 feet
3	−$5
4	−5 points
5	35 ft increase

Day 42 Area & Perimeter — Composite Figures

1	24 + 6 = 30 sq units
2	15 + 8 = 23 sq units
3	24 units
4	76 sq units
5	36 sq units

Day 43 Box Plots & Quartiles

1	Two equal halves
2	10
3	The middle 50% of the data
4	Lines showing the range of the data outside the box (min and max)
5	The range from 2 to 8

Day 44 Multi-Step Word Problems

1	195 pencils
2	20 miles
3	$162
4	48 sq ft
5	9 cups

Day 45 Mixed Review — Week 9

1	15 + 4 = 19 sq units
2	16
3	15
4	x = 12
5	45%

Day 46 Algebraic Equations — Word Problems

1	x + 8 = 25; x = 17
2	3x = 36; x = 12
3	x/6 = 9; x = 54
4	2x + 5 = 21; x = 8
5	x − 14 = 22; x = 36

Day 47 Inequalities — Word Problems

1	$h \geq 48$
2	$s \leq 50$
3	$x < 4$
4	$8 + x \leq 20$, so $x \leq 12$
5	$x > 3$

Day 48 Circles — Intro

1	5
2	14
3	$C = 2\pi r$ (or πd)
4	$A = \pi r^2$
5	≈ 31.4 units

Day 49 Data Distributions — Comparing

1	The one with the larger range
2	The data is evenly distributed around the center
3	A data value that is much higher or lower than the rest of the data
4	Skewed right
5	The median is not affected by extreme outliers

Day 50 Mixed Review — Week 10

1	12
2	$x \leq 6$
3	≈ 50.24 sq units
4	7/8
5	9

Day 51 Multiplying & Dividing Integers — Practice

1	20
2	−3
3	−21
4	6
5	−6

Day 52 Probability — Intro

1	1/2
2	3/10
3	2/6 (or 1/3)
4	0.7
5	1/8

Day 53 Geometry — Volume Word Problems

1	1,000 cubic feet
2	192 cubic inches
3	4 feet
4	5 feet
5	27 − 8 = 19 cubic units

Day 54 Expressions & Equations — Review

1	$3x + 4y$
2	18
3	$x = 6$
4	$x/2 + 3$
5	$x = 15$

Day 55	Mixed Review — Week 11
1	36
2	5/20 (or 1/4)
3	60 cubic units
4	4a + 2b
5	24

Day 56	Comprehensive Review I
1	1/2
2	x = 6
3	60 sq units
4	7
5	54

Day 57	Comprehensive Review II
1	9
2	x < 6
3	343 cubic units
4	4
5	14

Day 58	Comprehensive Review III
1	12
2	x = 6
3	28 sq units
4	5/3 (or 1 2/3)
5	$2^2 \times 3 \times 5$

Day 59	Comprehensive Review IV
1	−14
2	x = 5
3	52 sq units
4	57
5	4/5

Day 60	Day 60 — Ready for 6th Grade! 🎉
1	4 1/12
2	x = 4
3	≈ 113.04 sq units
4	60
5	60 cubic units