



# KRIANA Assessment

## Grade 6 · Math — Term Check-in

Focus: Whole Numbers · Decimals · Fractions · Percent · Geometry · Data

1. Math – Whole Numbers: Sofia collects 128 stickers in January, 96 in February, and 157 in March. How many stickers does she have altogether by the end of March? Show your work.

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2. Math – Order of Operations: Calculate  $45 - 3 \times (6 + 2) + 10$ . Show each step.

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3. Math – Multiplication: Find  $247 \times 6$ .

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4. Math – Long Division: Divide 738 by 9. Show the quotient and any remainder (if there is one).

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5. Math – Decimal Addition: Find the sum of 12.75 and 3.8.



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6. Math – Decimal Multiplication: Calculate  $4.5 \times 3.2$ . Show your work.

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7. Math – Fractions (Simplifying): Write  $\frac{4}{6}$  in simplest form. Then write one fraction that is equivalent to  $\frac{2}{3}$ .

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8. Math – Adding Fractions (Like Denominators): Find  $\frac{3}{8} + \frac{1}{8}$ .

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9. Math – Adding Fractions (Unlike Denominators): Find  $\frac{2}{5} + \frac{1}{10}$ . Show how you found a common denominator.

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10. Math – Percent: What is 25% of 160?



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11. Math – Ratio: In a class, 12 students play soccer and 8 play basketball. Write the ratio of soccer players to basketball players in simplest form.

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12. Math – Area and Perimeter: A rectangle is 9 m long and 7 m wide. (a) Find its area. (b) Find its perimeter.

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13. Math – Volume: A rectangular prism is 5 cm long, 4 cm wide, and 3 cm high. What is its volume?

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14. Math – Data and Mean: The daily high temperatures on five days are  $10^{\circ}\text{C}$ ,  $12^{\circ}\text{C}$ ,  $8^{\circ}\text{C}$ ,  $10^{\circ}\text{C}$ , and  $15^{\circ}\text{C}$ . What is the mean (average) temperature?

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15. Math – Multi-step Problem: A school gym has 6 rows of 18 chairs. Then 24 more chairs are added. How many chairs are there in total?



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16. Math – Percent and Discount: A T-shirt costs \$40. It is on sale for 20% off. What is the sale price of the T-shirt? Show your calculation.

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17. Math – Coordinate Grid: A point starts at (2, 3). It moves 3 units to the right and 2 units up. What are the coordinates of the new point?

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18. Math – Factors and Prime/Composite: List all the factors of 24. Then state whether 24 is a prime number or a composite number and explain why.

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#### Tutoring Tip:

Ask students to show all steps in their calculations and to check whether their answers are reasonable by estimating first.