

Grade 5 • Unit 8 Worksheet

Putting It All Together

Name: _____

Date: _____

Part A • Year-End Fluency

These cover the year's big ideas. Try mentally first; only show work where needed.

$452 \times 36 =$ _____	$1,026 \div 27 =$ _____	$\frac{3}{4} + \frac{5}{6} =$ _____	$\frac{2}{3} \times \frac{9}{8} =$ _____
$6.4 + 3.78 =$ _____	$5 - 2.65 =$ _____	$0.3 \times 0.4 =$ _____	$1.2 \div 0.4 =$ _____

Part B • Volume Revisited

1. A storage box is shaped like a rectangular prism with side lengths 12 inches, 8 inches, and 5 inches.

What is its volume? _____ cubic inches

If you double the height to 10 inches, what is the new volume? _____ cubic inches

How many times bigger is the new volume? _____

2. A composite figure is made of two prisms. Prism A is 4 x 5 x 3. Prism B (sitting on top of Prism A) is 4 x 2 x 6. The prisms do not overlap.

Volume of A: _____

Volume of B: _____

Total volume: _____

Part C • Fraction and Decimal Problems

3. A bakery has 5 and $\frac{1}{2}$ pounds of flour. Each loaf of bread needs $\frac{3}{4}$ pound. How many loaves can be made?

Equation: _____ / _____ = _____

Show your work:

Answer: _____ loaves (some flour may be left over)

4. Lin spends \$4.75 on snacks, \$1.30 on juice, and \$0.85 on candy. How much in total?

Total: \$ _____

If she paid with a \$10 bill, how much change? \$ _____

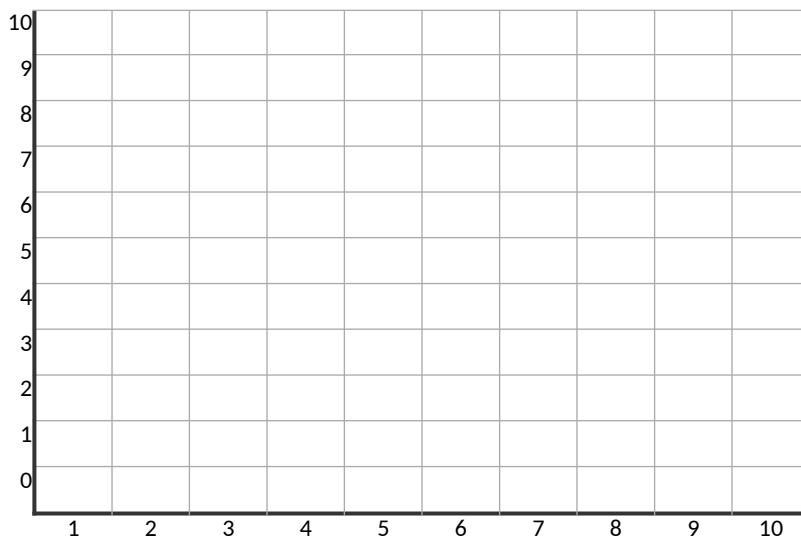
Part D • Coordinate Grid Story

5. On the grid below, plot a triangle with vertices A(1, 1), B(7, 1), C(4, 6).

What is the LENGTH of side AB? _____ units

What kind of triangle is it (by sides — equilateral, isosceles, scalene)? _____

Explain how you decided:



Part E • Thinking Deeply

6. Han says: 'To compare $\frac{3}{8}$ and 0.4, I can write $\frac{3}{8}$ as a decimal.' Find $\frac{3}{8}$ as a decimal.

$\frac{3}{8} =$ _____

Which is bigger: $\frac{3}{8}$ or 0.4? _____

How do you know? (Hint: same number of decimal places helps.)

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7. Sara is trying to predict the answer of $\frac{4}{5} \times \frac{3}{4}$ WITHOUT computing.

Will the product be greater than or less than $\frac{4}{5}$? _____

How do you know?

Compute it: _____

8. Diego writes the following: $4.5 \times 100 = 4500$ because 'the decimal point moves two places to the right.' Sara writes: $4500 \times 0.01 = 45$ because 'the decimal point moves two places to the left.'

Is Diego right? Yes / No

Is Sara right? Yes / No

Are these operations connected? Explain:

9. Write a single math problem (any topic from this year) that you can solve confidently. Solve it, and explain why someone else might find it tricky.

My problem:

My solution:

Why someone might find it tricky:

10. What math topic this year did you LEARN THE MOST about? What is one thing you can do now that you couldn't do at the start of the year?
