Grade 3 MATHEMATICS

STUDENT EDITION | UNIT 1

One grade, one subject. Type answers in a compatible PDF viewer, save privately to your device or print blank and write by hand.

Student initials: _____ Date: _____

Grade 3 | MATHEMATICS

STUDENT WORKBOOK - Unit 1

Mathematics only. No Language Arts, Science, History or Scripture assignments appear in this workbook.

Lesson 1: Multiplication, division, and area

Learn the Concept

Teacher explanation: Multiplication represents equal groups; 6 groups of 4 is 24. Division can reverse multiplication, so 24 divided by 6 is 4. Area of a rectangle is its length times its width, measured in square units.

Guided Example

Read the example in the lesson explanation. Use a drawing, number line, manipulatives or written equation to explain each step to a parent or teacher.

Independent Practice: 10 Problems

1. Draw 6 groups of 4 objects and write the multiplication equation.

2. Compute 7 x 8 and explain a strategy.

3. Compute 9 x 6.

4. Compute 42 divided by 7.

5. Compute 56 divided by 8.

6. A rectangle is 8 cm long and 5 cm wide. Find its area in square centimeters.

7. A shop packs 6 boxes with 9 pencils each. If 14 pencils are sold, how many remain?

8. Explain the inverse relationship between 8 x 7 and 56 divided by 8.

9. A rectangular garden is 12 ft by 4 ft. Draw and find area.

10. Advanced: identify all factor pairs of 48 and explain why pair order does not change the product.

Check Your Work

Show the steps for at least two problems and explain how you know your answer is reasonable. If you find an error, correct it and try a different example.

Advanced Scholar Extension

When these problems are easy, use the next grade’s mathematics unit or the Advanced Scholars pathway after showing mastery. Do not accelerate solely because of age.

Fuller practice chapter: Open Grade 3 Mathematics Chapter 1, five daily lessons and 100 practice problems .