GRADE 3 MATH CHAPTER 4

STUDENT PRACTICE | FILLABLE WORKBOOK

Answer numbers restart each day, matching the separate teacher guide. Type in a compatible PDF viewer, save privately, or print blank. Online answers are not submitted or stored.

Name or initials: _____ Date: _____

Grade 3 Math Chapter 4 | Student Practice Workbook

Day 1: Time and Elapsed Time

Show your working. Label units. Complete questions 1-10 independently, then write a full explanation for questions 11-12.

1.1. 9:10 a.m. to 9:45 a.m. How many minutes?

1.2. 1:25 p.m. to 2:00 p.m. How many minutes?

1.3. 3:40 to 4:15. How many minutes?

1.4. 7:50 to 8:25. How many minutes?

1.5. 11:05 to 11:50. How many minutes?

1.6. A lesson begins at 10:15 and lasts 35 minutes. Ending time?

1.7. A walk begins at 2:45 and lasts 50 minutes. Ending time?

1.8. A movie ends at 4:30 after lasting 90 minutes. Start time?

1.9. Convert 2 hours to minutes.

1.10. Convert 180 seconds to minutes.

1.11. Choose the more reasonable estimate: tying a shoe takes 20 seconds or 20 hours.

1.12. Explain your jumps from 8:47 to 9:23.

Day 2: Perimeter and Unknown Side Lengths

Show your working. Label units. Complete questions 1-10 independently, then write a full explanation for questions 11-12.

2.1. Rectangle 8 cm by 3 cm. Perimeter?

2.2. Rectangle 12 m by 5 m. Perimeter?

2.3. Square with side 7 cm. Perimeter?

2.4. Square with side 11 m. Perimeter?

2.5. Triangle sides 6,7,8 cm. Perimeter?

2.6. Quadrilateral sides 3,4,5,6 m. Perimeter?

2.7. Rectangle 9 cm by 4 cm. Perimeter?

2.8. Rectangle 10 ft by 6 ft. Perimeter?

2.9. A square has perimeter 36 cm. Each side?

2.10. A rectangle has perimeter 24 cm; length 8 cm. Width?

2.11. A garden is 15 by 7 feet. How many feet of fence surround it?

2.12. Why is perimeter measured in cm rather than square cm?

Day 3: Area and Multiplication Models

Show your working. Label units. Complete questions 1-10 independently, then write a full explanation for questions 11-12.

3.1. Rectangle 8 cm by 5 cm. Area?

3.2. Rectangle 9 m by 4 m. Area?

3.3. Rectangle 12 ft by 3 ft. Area?

3.4. Square with side 7 cm. Area?

3.5. Square with side 9 m. Area?

3.6. A 6 by 11 grid has how many squares?

3.7. Find area of rectangle 14 by 2 units.

3.8. A classroom rug is 10 by 6 feet. Area?

3.9. Compare areas of 4x9 and 6x6 rectangles.

3.10. Area is 48 square units, width 6 units. Length?

3.11. Draw a rectangle with area 24 square units but perimeter 20 units.

3.12. Explain why adding only all side lengths does not calculate area.

Day 4: Liquid Volume, Mass and Unit Reasoning

Show your working. Label units. Complete questions 1-10 independently, then write a full explanation for questions 11-12.

4.1. 1 liter equals how many milliliters?

4.2. 2 liters equals how many milliliters?

4.3. 3 liters equals how many milliliters?

4.4. 1 kilogram equals how many grams?

4.5. 4 kilograms equals how many grams?

4.6. A jug has 800 mL. Add 150 mL. Total?

4.7. A beaker has 950 mL. Remove 300 mL. Remain?

4.8. Two bottles each hold 750 mL. Total?

4.9. A parcel is 2 kg. Another is 500 g. Combined mass in grams?

4.10. Choose mL or L for a teaspoon.

4.11. Choose g or kg for an apple.

4.12. Explain why 700 mL plus 2 L cannot be written 702 mL.

Day 5: Picture Graphs, Bar Graphs and Chapter Review

Show your working. Label units. Complete questions 1-10 independently, then write a full explanation for questions 11-12.

GRADE 3 MATH CHAPTER 4

5.1. Fictional book counts are 4,6,3,7. Total?

5.2. Greatest book count?

5.3. Smallest book count?

5.4. Difference between 7 and 3?

5.5. If each picture stands for 2 books, what do 5 pictures mean?

5.6. If each picture stands for 5 books, what do 3 pictures mean?

5.7. Calculate perimeter of 8 by 5 rectangle.

5.8. Calculate area of 8 by 5 rectangle.

5.9. From 1:35 to 2:20 is how long?

5.10. Convert 2 L to mL.

5.11. One table row says 12 visitors; another says 16. How many more in second?

5.12. Explain why a graph showing more library visits during rain does not prove rain caused them.

Independent Chapter Assessment

Without the textbook: choose any 10 problems from mixed lessons, solve independently, and explain two with diagrams. Parents can assign a separate unseen set to avoid rehearsal.