

CHAPTER
2 **At-Home Practice**
Operations with Rational Numbers

Write each decimal as a fraction in simplest form.

1. $0.\overline{5}$

2. 0.625

3. $0.\overline{14}$

4. 0.57

Write each fraction as a decimal.

5. $\frac{2}{11}$

6. $\frac{8}{15}$

7. $\frac{17}{20}$

8. $\frac{23}{125}$

Compare.

9. $\frac{5}{2} \square 2\frac{1}{2}$

10. $\frac{7}{8} \square \frac{7}{16}$

11. $\frac{34}{2} \square 19$

Order from least to greatest.

12. 0.25, $\frac{1}{8}$, $\frac{25}{5}$, 2.5

13. 1.3, $\frac{1}{3}$, $\frac{-4}{3}$, 3

14. -7, -5, -0.5, -0.725

Add or subtract.

15. $0.625 - 0.25$

16. $1.8 + 0.18$

17. $\frac{2}{7} + \frac{13}{21}$

18. $\frac{-8}{9} + \frac{2}{3}$

19. $\frac{3}{4} + \frac{5}{8}$

20. $1.75 + 0.8$

21. $13.61 - 1.5$

22. $1\frac{1}{4} - 3\frac{1}{2}$

Multiply or divide. Write each answer in simplest form.

23. $5\left(\frac{1}{7}\right)$

24. $-6\left(1\frac{2}{3}\right)$

25. 0.34×0.18

26. 1.67×3.1

27. $\frac{1}{8} \div \frac{2}{3}$

28. $0.481 \div 0.13$

29. $29.12 \div 0.16$

30. $7\frac{1}{2} \div \left(-1\frac{1}{4}\right)$

Answers: 1. $\frac{5}{2}$ 2. $\frac{5}{8}$ 3. $\frac{1}{3}$ 4. $\frac{57}{100}$ 5. $\frac{1}{10}$ 6. $\frac{1}{10}$ 7. $\frac{1}{10}$ 8. $\frac{1}{10}$ 9. $\frac{1}{10}$ 10. $\frac{1}{10}$ 11. $\frac{1}{10}$ 12. $\frac{1}{10}$ 13. $\frac{1}{10}$ 14. $\frac{1}{10}$ 15. $\frac{1}{10}$ 16. $\frac{1}{10}$ 17. $\frac{1}{10}$ 18. $\frac{1}{10}$ 19. $\frac{1}{10}$ 20. $\frac{1}{10}$ 21. $\frac{1}{10}$ 22. $\frac{1}{10}$ 23. $\frac{1}{10}$ 24. $\frac{1}{10}$ 25. $\frac{1}{10}$ 26. $\frac{1}{10}$ 27. $\frac{1}{10}$ 28. $\frac{1}{10}$ 29. $\frac{1}{10}$ 30. $\frac{1}{10}$

CHAPTER

2

Family Fun**Taskmasters****Directions**

- The object of the game is to score the most points.
- Three players play against each other.
- Cut out and shuffle the task cards.
- Player A selects one task card. Player B and Player C complete the task simultaneously.
- If the player is asked to create a problem for the other player, whoever correctly completes the problem first earns the points.
- Player A checks the work. Whoever completes the task/problem correctly earns the points. Answers **MUST** be written in simplest form.
- The players rotate jobs.
- Each player must read the task cards 3 times.
- The player with the most points is the winner!

Task Cards

Create an addition problem for your opponent that involves adding two fractions with unlike denominators. 5 pts

Multiply. Write the answer in simplest form. $\frac{2}{3}\left(\frac{8}{9}\right)$ 2 pts

Create a division problem for your opponent that involves two fractions and whose solution will be negative. 5 pts

Evaluate $4\frac{4}{5}x$ when $x = 20$. 3 pts

Multiply
 $-9.06 (0.4)$ 2 pts

Create a multiplication problem that involves a mixed number and a fraction. 5 pts

Solve. Write the answer in simplest form.
 $x + \frac{7}{8} = \frac{3}{4}$ 3 pts

Solve. Write the answer in simplest form.
 $\frac{8}{15}t = \frac{7}{9}$ 3 pts

A recipe calls for $\frac{3}{4}$ cups of flour. You need to triple this recipe. How much flour do you need? 2 pts

Subtract. Write the answer in simplest form.
 $3\frac{7}{12} - 5\frac{1}{9}$ 3 pts