

LESSON
1-3

Practice B
Order of Operations

Simplify each expression.

1. $10 + 6 \times 2$ 2. $(15 + 39) + 6$ 3. $(20 - 15) \times 2 + 1$

4. $(4^2 + 6) + 11$ 5. $9 + (7 - 1) \times 2$ 6. $(2 \times 4) + 8 - (5 \times 3)$

7. $5 + 18 + 3^2 - 1$ 8. $8 + 5 \times 10 - 12$ 9. $14 + (50 \div 7^2) \times 3$

Add parentheses so that each equation is correct.

10. $7 + 9 \times 3 - 1 = 25$ 11. $2^3 - 7 \times 4 = 4$ 12. $5 + 6 \times 9 + 3 = 23$

13. $12 \div 3 \times 2 = 2$ 14. $8 + 3 \times 6 - 4 - 1 = 13$ 15. $4 \times 3^2 + 1 = 40$

16. $9 \times 0 + 5 - 3 = 42$ 17. $15 \times 3^2 - 2^3 = 15$ 18. $14 \div 2 + 5 \times 5 = 10$

19. Tyler walked 2 miles a day for the first week of his exercise plan. Then he walked 3 miles a day for the next 9 days. How many miles did Tyler walk in all?

20. Paulo's father bought 8 pizzas and 12 bottles of juice for the class party. Each pizza cost \$9 and each bottle of juice cost \$2. Paulo's father paid with a \$100-bill. How much change did he get back?

LESSON
3-7 **Practice B**
Dividing by Decimals

Find each quotient.

- | | | |
|-------------------------------|------------------------------|-------------------------------|
| 1. $9.0 \div 0.9$
_____ | 2. $29.6 \div 3.7$
_____ | 3. $10.81 \div 2.3$
_____ |
| 4. $10.5 \div 1.5$
_____ | 5. $15.36 \div 4.8$
_____ | 6. $9.75 \div 1.3$
_____ |
| 7. $20.4 \div 5.1$
_____ | 8. $37.5 \div 2.5$
_____ | 9. $9.24 \div 1.1$
_____ |
| 10. $16.56 \div 6.9$
_____ | 11. $28.9 \div 8.5$
_____ | 12. $14.35 \div 0.7$
_____ |

Evaluate $x \div 1.2$ for each value of x .

- | | | |
|-------------------------|-------------------------|-------------------------|
| 13. $x = 40.8$
_____ | 14. $x = 1.8$
_____ | 15. $x = 10.8$
_____ |
| 16. $x = 14.4$
_____ | 17. $x = 4.32$
_____ | 18. $x = 0.06$
_____ |

19. Anna is saving \$6.35 a week to buy a computer game that costs \$57.15. How many weeks will she have to save to buy the game?

20. Ben ran a 19.5-mile race last Saturday. His average speed during the race was 7.8 miles per hour. How long did it take Ben to finish the race?

LESSON
3-9

Practice B
Solving Decimal Equations

Solve each equation. Check your answer.

- | | |
|---|---|
| 1. $a - 2.7 = 4.8$ | 2. $b + 7 = 1.9$ |
| 3. $w - 6.5 = 3.8$ | 4. $p + 0.4 = 1.7$ |
| 5. $4.5 + x = 8$ | 6. $b + 3 = 2.5$ |
| 7. $7.8 + s = 15.2$ | 8. $1.63q = 9.78$ |
| 9. $0.05 + x = 2.06$ | 10. $1.7n = 2.38$ |
| 11. $t - 6.08 = 12.59$ | 12. $9q = 16.2$ |
| 13. $w - 8.9 = 10.3$ | 14. $1.4n = 3.22$ |
| 15. $t - 12.7 = 0.8$ | 16. $3.8 + a = 6.5$ |
| 17. The distance around a square photograph is 12.8 centimeters. What is the length of each side of the photograph? | 18. You buy two rolls of film for \$3.75 each. You pay with a \$10 bill. How much change should you get back? |

LESSON
5-10

Practice B

Solving Fraction Equations: Multiplication and Division

Solve each equation. Write the answer in simplest form. Check your answers.

1. $\frac{1}{4}x = 6$

2. $2t = \frac{4}{7}$

3. $\frac{3}{5}a = 3$

4. $\frac{r}{6} = 8$

5. $\frac{2b}{9} = 4$

6. $3y = \frac{4}{5}$

7. $\frac{2}{3}d = 5$

8. $2f = \frac{1}{6}$

9. $4q = \frac{2}{9}$

10. $\frac{1}{2}s = 2$

11. $\frac{h}{7} = 5$

12. $\frac{1}{4}c = 9$

13. $5g = \frac{5}{6}$

14. $3k = \frac{1}{9}$

15. $\frac{3x}{5} = 6$

16. It takes 3 buckets of water to fill $\frac{1}{3}$ of a fish tank. How many buckets are needed to fill the whole tank?

17. Jenna got 12, or $\frac{3}{5}$, of her answers on the test right. How many questions were on the test?

18. It takes Charles 2 minutes to run $\frac{1}{4}$ of a mile. How long will it take Charles to run a mile?
