# ANSWER

## INTRO TO VARIABLES PRACTICE SHEET - A
solve each equation.

1. $6 + \underline{\quad} = 8$
$6 + x = 8$
$x = 8 - 6$
$x = 2$

2. $15 + y = 6$
$y = 6 - 15$
$y = -9$

3. $x + 9 = 20$
$x = 20 - 9$
$x = 11$

4. $52 + 6 = \underline{\quad}$
$52 + 6 = x$
$58 = x$

5. $s - 5 = 12$
$s = 12 + 5$
$s = 17$

6. $16 + x = 25$
$x = 25 - 16$
$x = 9$

7. $30 - \underline{\quad} = 5$
$30 - x = 5$
$30 - 5 = x$
$25 = x$

8. $10 - x = 15$
$10 + 15 = x$
$25 = x$

9. $13 + e = 5$
$13 - 5 = e$
$8 = e$

10. $k - 8 = 2$
$k = 2 + 8$
$k = 10$

11. $\underline{\quad} - 4 = 10$
$x - 4 = 10$
$x = 10 + 4$
$x = 14$

12. $8 + x = 6$
$8 - 6 = x$
$2 = x$

13. $9 - 4 = j$
$5 = j$

14. $x + 12 = 21$
$x = 21 - 12$
$x = 9$

15. $w + 1 = 8$
$w = 8 - 1$
$w = 7$

16. $6 - y = 9$
$6 - 9 = y$
$-3 = y$

17. $\underline{\quad} + 6 = 20$
$x + 6 = 20$
$x = 20 - 6$
$x = 14$

18. $12 + a = 4$
$12 - 4 = a$
$8 = a$

19. $5 + \underline{\quad} = 9$
$5 + x = 9$
$x = 9 - 5$
$x = 4$

20. $x - 7 = 10$
$x = 10 + 7$
$x = 17$

## INTRO TO VARIABLES PRACTICE SHEET - B
solve each equation.

1. $12 \times \underline{\quad} = 48$
$12 \times x = 48$
$x = 48/12$
$x = 4$

2. $x \div 2 = 12$
$x = 12 \times 2$
$x = 24$

3. $5 \times x = 50$
$x = 50/5$
$x = 10$

4. $7 \div x = 21$
$x = 21 \times 7$
$x = 147$

5. $13 \times y = 130$
$y = 130/13$
$y = 10$

6. $x \div 6 = 6$
$x = 6 \times 6$
$x = 36$

7. $\underline{\quad} \times 2 = 28$
$x \times 2 = 28$
$x = 28/2$
$x = 14$

8. $x \times 9 = 27$
$x = 27/9$
$x = 3$

9. $16 \times x = 80$
$x = 80/16$
$x = 5$

10. $20 \div y = 200$
$y = 200/20$
$y = 10$

11. $x \times 11 = 77$
$x = 77/11$
$x = 7$

12. $100 \div 2 = \underline{\quad}$
$100 \div 2 = x$
$50 = x$

13. $11 \times 13 = x$
$143 = x$

14. $x \div 2 = 6$
$x = 6/2$
$x = 3$

**INTRO TO VARIABLES PRACTICE SHEET - C**
**solve each equation.**

1. ___ × 9 = 468
   x × 9 = 468
   x = 468/9
   x = 52

2. 15 × y = 135
   y = 135/15
   y = 9

11. 47 × 9 = x
    423 = x

12. x + 23 = 119
    x = 119 - 23
    x = 96

3. x ÷ 5 = 480
   x = 480 × 5
   x = 2400

4. 74 × x = 444
   x = 444/74
   x = 6

13. 74 - x = 38
    x = 74 - 38
    x = 36

14. 14 × x = 98
    x = 98/14
    x = 7

5. 15 ÷ x = 120
   x = 120 × 15
   x = 1800

6. x × 9 = 108
   x = 108/9
   x = 12

15. x × 9 = 270
    x = 270/9
    x = 30

16. 16 ÷ y = 80
    y = 80 × 16
    y = 1280

7. 12 + x = 28
   x = 28 - 12
   x = 16

8. x - 9 = 56
   x = 56 + 9
   x = 65

17. x + 62 = 107
    x = 107 - 62
    x = 45

18. x - 32 = 10
    x = 10 + 32
    x = 42

9. y ÷ 9 = 225
   y = 225 × 9
   y = 2025

10. 82 - x = 46
    x = 82 - 46
    x = 36

19. 24 + ___ = 85
    24 + x = 85
    x = 85 - 24
    x = 61

20. 1900 ÷ 20 = x
    95 = x