

Name: Loz

## Number Sentences

**Part 1: Choose the number sentence that correctly matches each phrase.**

1. Find 7 less than the product of 12 and 18.

☒ a.  $(12 \times 18) - 7$

b.  $12 \times (18 - 17)$

c.  $7 - (12 \times 18)$

d.  $7 \times (12 - 18)$

2. Subtract 24 from 28 and then divide by 2.

a.  $(24 - 28) \div 2$

b.  $(24 \div 2) - (28 \div 2)$

c.  $2 \div (28 - 24)$

☒ d.  $(28 - 24) \div 2$

3. Multiply the sum of 150 and 140 by 8.

a.  $(150 + 140) \times 8$

☒ b.  $(150 \times 140) \times 8$

c.  $(150 \times 140) + 8$

d.  $8 \times (150 - 140)$

**Part 2: Write a number sentence for each phrase below using numbers and symbols.  
(You only need to write the number sentence. You do not need to write the answer.)**

4. What number is 76 more than the product of 13 and 8?  $76 + (13 \times 8)$      $(13 \times 8) + 76$

5. Find a number that is 5 times as much as 4 divided by 2.  $(4 \text{ divided by } 2) \times 5$      $5 \times (4 \text{ divided by } 2)$

6. Take the sum of 6 and 7 and divide it by the sum of 10 and 3.  $(6 + 7) \text{ divided by } (10 + 3)$

7. Subtract the quotient of 70 divided by 2 from 60.  $60 - (70 \text{ divided by } 2)$

8. What is 62 less than the product of 22 and 3?  $(22 \times 3) - 62$



Name: \_\_\_\_\_

# Algebra Word Problems

1. There are 12 golf balls in a bucket. There are  $x$  white golf balls and 5 orange golf balls.

Which equation illustrates this situation? (Circle one.)

a  $x - 5 = 12$

☒ b  $x + 5 = 12$

c  $12 + x = 5$

d  $5x = 12$

What is the value of  $x$ ? 7



2. You have \$ $x$ . You spend \$3 to play golf. You have \$8 left.

Which equation illustrates this situation? (Circle one.)

a  $\$3 - \$x = \$8$

b  $\$x + 3 = \$8$

c  $\$8 - \$3 = \$x$

☒ d  $\$x - \$3 = \$8$

What is the value of  $x$ ? 11



3. A group of  $x$  golfers are split up into 3 equal groups. There are 4 golfers in each group.

Which equation illustrates this situation? (Circle one.)

☒ a  $\frac{x}{3} = 4$

b  $\frac{3}{x} = 4$

c  $4x = 3$

d  $3x = 4$

What is the value of  $x$ ? 12



4. You have  $x$  golf tees in your bag. Your sister has 4 times as many tees as you do. Your sister has 36 tees.

Which equation illustrates this situation? (Circle one.)

a  $\frac{x}{4} = 36$

b  $\frac{4}{x} = 36$

c  $36x = 4$

☒ d  $4x = 36$

What is the value of  $x$ ? 9



