

Chapter 1 Practice Test

1

Two less than the quotient of three and a number n

Which of the following is an expression for the statement above?

- A) $2 - \frac{n}{3}$
- B) $\frac{n}{3} - 2$
- C) $\frac{3}{n} - 2$
- D) $2 - \frac{3}{n}$

2

How much greater than $n - 11$ is $n + 3$?

- A) 8
- B) 10
- C) 12
- D) 14

3

Johnny received m text messages on Friday, three less than twice as many text messages on Saturday than on Friday, and five more text messages on Sunday than on Saturday. What is the total number of text messages he received over the three days?

- A) $4m + 2$
- B) $5m - 1$
- C) $4m - 2$
- D) $5m + 1$

4

What number is halfway between $-\frac{5}{6}$ and $\frac{1}{3}$ on a number line?

- A) $-\frac{1}{4}$
- B) $-\frac{1}{3}$
- C) $-\frac{1}{2}$
- D) $-\frac{5}{12}$

5

What is 4.4985 rounded to the nearest hundredth?

- A) 4.49
- B) 4.498
- C) 4.499
- D) 4.50

6

Which of the following expressions is equivalent to $3a + \frac{1}{2}(b - 2c) - \frac{1}{2}(2a + 3b)$?

- A) $\frac{3}{2}a - \frac{1}{2}b - c$
- B) $\frac{3}{2}a + b - c$
- C) $2a - b - c$
- D) $2a + b - c$

7

How many minutes are there in $2h$ hours and $6m$ minutes?

- A) $60h + 12m$
- B) $120h + 6m$
- C) $60h + 6m$
- D) $120h + 60m$

8

1. Add 5 to a number n .
2. Divide by 8.
3. Subtract by 1.
4. Multiply by 8.

When the sequence of operations above has been completed in order, which of the following is an expression for the statement above?

- A) $n - 1$
- B) $n - 2$
- C) $n - 3$
- D) $n - 4$

9

Which of the following expressions is equivalent to $(2y - x) - 2(y - 2z) - 4(x + z)$?

- A) $-3x$
- B) $-5x$
- C) $-3x + 8z$
- D) $-5x - 8z$

10

If $x = 10$, what is the value of $\frac{x}{2} + \frac{x}{20} + \frac{x}{200}$?

11

If x and y are positive integers and $2x + 5y = 18$, what is the value of x ?

12

If $a = 3$, $b = -1$, and $c = -2$, what is the value of $7 - \frac{a - 12 \div (2 - b)}{c + 3}$?