



Mathematics Grade 6

Ready EOG Practice 6.EE.2 (Writing Expressions)

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Rockingham County

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1. If $\frac{1}{2}$ of a number is 4 more than $\frac{1}{3}$ of the same number, what is the number?

A. 12
 B. 20
 C. 24
 D. 28

2. Study the expression in the box.

$$-x + y \cdot z - y$$

What is the value of the expression when $x = -3$, $y = -2$ and $z = 5$?

A. -27
 B. -9
 C. -7
 D. -5

3. A phrase is written in the box.

six less than four times the sum of a number and three

Which algebraic expression represents this phrase?

A. $6 - 4 \cdot n + 3$
 B. $6 - 4 \cdot (n + 3)$
 C. $4 \cdot n + 3 - 6$
 D. $4 \cdot (n + 3) - 6$

4. Which expression represents the sum of a number and 8, divided by 3?

A. $n + \frac{8}{3}$
 B. $\frac{n + 8}{3}$
 C. $\frac{n}{8} + 3$
 D. $n \div \frac{8}{3}$

5. An expression is given in the box.

$$9c \div (3d)$$

What is the value of the expression if $c = 4$ and $d = 6$?

A. 2
 B. 4
 C. 36
 D. 72

6. What is the value of $7(x + 4)^2 - 3x$ when $x = 2$?

- A. 24
- B. 78
- C. 246
- D. 252

7. In the expression $x^2 + 5y - 4x + 9$, which list gives the coefficients?

- A. 5 and -4
- B. 5, -4, and 9
- C. 1, 5, and -4
- D. 1, 5, -4, and 9

8. An expression is written in the box.

$$\boxed{3(x + 8) - 9}$$

Which phrase describes the expression?

- A. 3 times a number plus 8 minus 9
- B. 3 times the sum of a number and 8 is less than 9
- C. 9 less than 3 times the sum of a number and 8
- D. 9 less than 3 times a number plus 8

9. What is the value of the expression $8(n - 4) + 6n$ when $n = 4.5$?

- A. 28
- B. 31
- C. 35.5
- D. 62.5

#	Answer	Objective
1.	C	Obj : 6.EE.6. Use variables to represent numbers and ...
2.	D	Obj : 6.EE.2. Write, read, and evaluate expressions i...
3.	D	Obj : 6.EE.2. Write, read, and evaluate expressions i...
4.	B	Obj : 6.EE.2. Write, read, and evaluate expressions i...

#	Answer	Objective
5.	A	Obj : 6.EE.2. Write, read, and evaluate expressions i...
6.	C	Obj : 6.EE.2. Write, read, and evaluate expressions i...
7.	C	Obj : 6.EE.2. Write, read, and evaluate expressions i...
8.	C	Obj : 6.EE.2. Write, read, and evaluate expressions i...
9.	B	Obj : 6.EE.2. Write, read, and evaluate expressions i...

Objectives Measured:	Items	Questions measuring this objective
Obj : 6.EE.6. Use variables to represent numbers and ...	1	1
Obj : 6.EE.2. Write, read, and evaluate expressions i...	8	2, 3, 4, 5, 6, 7, 8, 9

#	Key	Item ID
1.	C	MC 38077
2.	D	MC 40384
3.	D	MC 123033
4.	B	MC 140090

#	Key	Item ID
5.	A	MC 140091
6.	C	MC 140092
7.	C	MC 140143
8.	C	MC 140156
9.	B	MC 140157