Unit 3 Interim Assessment Study Guide
Name: $\qquad$
Class Period: 1234 Date: $\qquad$

1) Audra is 9 years younger than Fred. Her age can be represented by the expression $f-9$, where $f$ represents Fred's age.

If Fred is 57 years old, how old is Audra?

Answer: $\qquad$
3) The expression for the perimeter of a rectangle is $\mathbf{L L + 2 W}$ where $L$ is the length and $\boldsymbol{W}$ is the width. A rectangular shaped pool has a length of 57 feet and a width of $\mathbf{2 1}$ feet.

What is the perimeter of the pool?
2) Kimberly uses the expression $10(3 p-1)$ to determine how much profit she will make after selling any given number of paintings (p).

If $p=35$, how much profit will Kimberly make?

Answer: $\qquad$
4) What is the value of $x^{2}+8$ if $x=13$ ?
$\qquad$
5) Evaluate the expression $8 x^{2}$ if $x=7$.

Answer:
7) Mr. Goletz started the school year with 33 students in his class. If $y$ students moved out of his class, which expression represents the number of students left in the class?
A) $y+33$
B) $y-33$
C) $33-y$
D) $33 \div y$

Answer: $\qquad$
9) Choose the expression that represents "twice the sum of $z$ and 14 ."
A) $2 z+14$
B) $2(z+14)$
C) $2+14 z$
D) $14(2+z)$
6) Which expression represents 18 less than twice k?
A) $2 k-18$
B) $18-2 k$
C) $2(k-18)$
D) $2(18-k)$

## Answer:

8) Marcus has 57 baseball cards to divide between his teammates. Let c represent the number of teammates he has.

Which expression represents the number of baseball cards each of Marcus' teammates will receive?
A) $\frac{57}{c}$
B) $\frac{c}{57}$
C) $57 c$
D) $57-c$

Answer: $\qquad$
10) Which algebraic expression represents "the sum of a number and 15, divided by 12 "?
A) $x+\frac{15}{12}$
B) $\frac{x+15}{12}$
C) $\frac{x}{12}+15$
D) $12(x+15)$
$\qquad$
$\qquad$

Math 6 - Unit 3: Expressions
Unit 3 Interim Assessment Study Guide ANSWER KEY

1) Audra is 9 years younger than Fred. Her age can be represented by the expression $f-9$, where $f$ represents Fred's age.

If Fred is 57 years old, how old is Audra?
3) The expression for the perimeter of a rectangle is $\mathbf{2 L + 2 W}$ where $\boldsymbol{L}$ is the length and $\boldsymbol{W}$ is the width. A rectangular shaped pool has a length of 57 feet and a width of 21 feet.

What is the perimeter of the pool?

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If $p=35$, how much profit will Kimberly make?
4) What is the value of $x^{2}+8$ if $x=13$ ?
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Answer: 392
7) Mr. Goletz started the school year with 33 students in his class. If $y$ students moved out of his class, which expression represents the number of students left in the class?
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Answer: b
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