

Math 6 - Unit 3: Expressions

Evaluating Expressions Practice Sheet

Name: _____

Class Period: 1 2 3 4 Date: _____

Evaluate each expression if $m = 6$ and $n = 12$.

1. $m + 5$

2. $n - 7$

3. $m \cdot 4$

4. $m + n$

5. $n - m$

6. $12 \div n$

7. $9 \cdot n$

8. $n \div m$

9. $2m + 5$

10. $4m - 17$

11. $36 - 6m$

12. $3n + 8$

Evaluate each expression if $a = 9$, $b = 3$, and $c = \frac{1}{3}$

13. $a^2 \div 3$

14. $15b + a^2$

15. $b^2 + 4 \cdot 6$

16. $a^2 - 2b^2$

17. $a^2 + 30 - 18$

18. $b^2 + 5a - 20$

19. $b^3 + c$

20. $19 + 6a \div 2$

21. $4b^2 \cdot 3$

22. $3c \div (2b^2)$

23. $a^2 - (3c)$

24. $ac \div (2b)$

25. ANIMALS A Gentoo penguin can swim at a rate of 17 miles per hour. How many miles can a penguin swim in 4 hours? Use the expression rt , where r represents rate and t represents time.

26. CLOTHING A company charges \$6 to make a pattern for an order of T-shirts and \$11 for each T-shirt it produces from the pattern. The expression $\$11n + \6 represents the cost of n T-shirts with the same pattern. Find the total cost for 5 T-shirts with the same pattern.

Math 6 - Unit 3: Expressions

Evaluating Expressions Practice Sheet Pg. 2

Name: _____

Class Period: 1 2 3 4 Date: _____

Evaluate each expression if $m = 2$ and $n = 4$.

1. $m + m$

2. $n - m$

3. mn

4. $3m + 5$

5. $2n + 2m$

6. $m \cdot 0$

7. $64 \div n$

8. $12 - m$

9. $5n \div m$

10. $6mn$

11. $4n - 3$

12. $n \div m + 8$

Evaluate each expression if $a = 3$, $b = 4$, and $c = 12$.

13. $a + b$

14. $c - a$

15. $a + b + c$

16. $b - a$

17. $c - a \cdot b$

18. $a + 2 \cdot b$

19. $b + c \div 2$

20. ab

21. $25 + c \div b$

22. $c \div a + 10$

23. $2b - a$

24. $2ab$

Math 6 - Unit 3: Expressions

Evaluating Expressions Practice Sheet

ANSWER KEY

Name: _____

Class Period: 1 2 3 4 Date: _____

Evaluate each expression if $m = 6$ and $n = 12$.

1. $m + 5$ **11**

2. $n - 7$ **5**

3. $m \cdot 4$ **24**

4. $m + n$ **18**

5. $n - m$ **6**

6. $12 \div n$ **1**

7. $9 \cdot n$ **108**

8. $n \div m$ **2**

9. $2m + 5$ **17**

10. $4m - 17$ **7**

11. $36 - 6m$ **0**

12. $3n + 8$ **44**

Evaluate each expression if $a = 9$, $b = 3$, and $c = \frac{1}{3}$

13. $a^2 \div 3$ **27**

14. $15b + a^2$ **126**

15. $b^2 + 4 \cdot 6$ **33**

16. $a^2 - 2b^2$ **63**

17. $a^2 + 30 - 18$ **93**

18. $b^2 + 5a - 20$ **34**

19. $b^3 + c$ **$27\frac{1}{3}$**

20. $19 + 6a \div 2$ **46**

21. $4b^2 \cdot 3$ **108**

22. $3c \div (2b^2)$ **$\frac{1}{18}$**

23. $a^2 - (3c)$ **80**

24. $ac \div (2b)$ **$\frac{1}{2}$**

25. **ANIMALS** A Gentoo penguin can swim at a rate of 17 miles per hour. How many miles can a penguin swim in 4 hours? Use the expression rt , where r represents rate and t represents time.

68 miles

26. **CLOTHING** A company charges \$6 to make a pattern for an order of T-shirts and \$11 for each T-shirt it produces from the pattern. The expression $\$11n + \6 represents the cost of n T-shirts with the same pattern. Find the total cost for 5 T-shirts with the same pattern.

\$61

Math 6 - Unit 3: Expressions

Evaluating Expressions Practice Sheet Pg. 2

ANSWER KEY

Name: _____

Class Period: 1 2 3 4 Date: _____

Evaluate each expression if $m = 2$ and $n = 4$.

1. $m + m$ **4**

2. $n - m$ **2**

3. mn **8**

4. $3m + 5$ **11**

5. $2n + 2m$ **12**

6. $m \cdot 0$ **0**

7. $64 \div n$ **16**

8. $12 - m$ **10**

9. $5n \div m$ **10**

10. $6mn$ **48**

11. $4n - 3$ **13**

12. $n \div m + 8$ **10**

Evaluate each expression if $a = 3$, $b = 4$, and $c = 12$.

13. $a + b$ **7**

14. $c - a$ **9**

15. $a + b + c$ **19**

16. $b - a$ **1**

17. $c - a \cdot b$ **0**

18. $a + 2 \cdot b$ **11**

19. $b + c \div 2$ **10**

20. ab **12**

21. $25 + c \div b$ **28**

22. $c \div a + 10$ **14**

23. $2b - a$ **5**

24. $2ab$ **24**