

Name _____

Date _____

Mr. Tallman

Math 7

Lesson #7 - Mixed Integer Practice and Order of Operations**Use integer rules to evaluate the following.**

1. $-2 + (+3) = 1$

11. $-3(-4) = 12$

21. $45 - (-27) =$

$45 + 27 = 72$

2. $-5 + (+4) = -1$

12. $24 \div (-6) = -4$

22. $19(-4) = -76$

3. $5 - (-3) =$

$5 + 3 = 8$

13. $5(-18) = -90$

23. $-42 \div (-6) = 8$

4. $-7 - (-3) =$

$-7 + 3 = -4$

14. $-8 \div (-4) = 2$

24. $-21 + -19 = -40$

5. $-14 - 6 =$

$-14 + (-6) = -20$

15. $17(-4) = -68$

25. $32 \div (-4) = -8$

6. $6 + (-8) = -2$

16. $81 \div (-9) = -9$

26. $14(-7) + (-2) =$

$-98 + (-2) = -100$

7. $12 + (+7) = 19$

17. $-21 \div (-7) = 3$

27. $-8 \cdot -4 \div -2 =$

$32 \div (-2) = -16$

8. $-8 + (-1) = -9$

18. $-7(9) = -63$

28. $-24 \div 4 + -17 =$

$-6 + (-17) = -23$

9. $-9 - (+6) =$

$-9 + (-6) = -15$

19. $8(7) = 56$

29. $7 - (-3) + (-2) - 4 =$

$7 + 3 + (-2) + (-4) = 4$

Order of operations (PEMDAS) tells us the order in which we have to evaluate expressions.

Parenthesis

Exponents

Multiplication

Division

(Left to Right)

Addition

Subtraction

(Left to Right)

Use Order of Operations to evaluate the following:

<p>30) $3 \cdot -3 \cdot 7 \div (-9)$ $3 \cdot -21 \div (-9)$ $3 \cdot 21 \div (-9)$ $63 \div (-9)$ <u>-7</u></p>	<p>31) $\frac{8+2(4-1)}{2-3^2}$ $\frac{8+2(3)}{2-3^2} \rightarrow \frac{8+6}{2-9}$ $\frac{14}{-7} \leftarrow \frac{8+6}{-7}$ <u>-2</u></p>	<p>33) $\frac{(-3)(-10)}{5 \cdot (-2)} = \frac{30}{-10} = \textcircled{-3}$</p>
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34) Which expression below is equal to 0? Show all work.

<p>A) $\frac{-24}{6} - 4$ $-4 - 4$ $-4 + (-4)$ <u>-8</u></p>	<p>B) $\frac{-24}{-6} + 4$ $4 + 4$ <u>8</u></p>	<p>C) $\frac{24}{6} + 4$ $4 + 4$ <u>8</u></p>	<p><u>D) $\frac{-24}{-6} - 4$</u> $4 - 4$ <u>0</u></p>
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35) Clara played a video game before she left the house to go for a walk. She started with 0 points, lost 6 points, 3 times. She then won 4 points and then lost 2 points. How many points did she have before she left the house to go for her walk? Show all work.

$-6(3) + 4 + (-2)$
 $-18 + 4 + (-2)$
 $-14 + (-2)$
-16

She lost 16 points.