

9-14-18

Aim: SWBAT rewrite integer expressions.

HW: Finish Packet Pages 9 - 10

Quiz next week

Do Now: Correct hw

HOMEWORK - Properties & Introduction to Adding Integers

State the name of the property that is shown.

- | | |
|--|-------------------------------|
| 1) $(x + 9) + 1 = x + (9 + 1)$ | 1) <u>Associative, +</u> |
| 2) $1 \cdot x = x$ | 2) <u>Identity, \cdot</u> |
| 3) $(2 + 3) + 5 = 2 + (3 + 5)$ | 3) <u>Associative, +</u> |
| * 4) $(12 + 9) + 15 = (9 + 12) + 15$ | 4) <u>Commutative, +</u> |
| 5) $(2 + 7) \cdot 0 = 0$ | 5) <u>Multiplicative, 0</u> |
| 6) $12 \cdot (7 \cdot 15) = (12 \cdot 7) \cdot 15$ | 6) <u>Associative, \cdot</u> |
| 7) $0 + (9 + 1) = 9 + 1$ | 7) <u>Identity, +</u> |
| 8) $3(4x + 9) = 12x + 27$ | 8) <u>Distributive</u> |
| 9) $r \cdot 1 = r$ | 9) <u>Identity, \cdot</u> |
| 10) $(8 \cdot 6) \cdot 9 = 8 \cdot (6 \cdot 9)$ | 10) <u>Associative, \cdot</u> |
| 11) $106 \cdot 0 = 0$ | 11) <u>Multiplicative, 0</u> |
| 12) $4(a + b) = 4a + 4b$ | 12) <u>Distributive</u> |
| 13) $-y + y = 0$ | 13) <u>Inverse, +</u> |
| * 14) $(2 + y) + 8 = 8 + (2 + y)$ | 14) <u>Commutative, +</u> |
| 15) $c \cdot \frac{1}{c} = 1$ | 15) <u>Inverse, \cdot</u> |
| * 16) $(8 \cdot 6) + 9 = (6 \cdot 8) + 9$ | 16) <u>Commutative, \cdot</u> |

AIM: SWBAT rewrite expressions.



- **Isolating Terms**
The number behind the operation gets the operation as its sign.
- **When the double signs are eliminated, all problems become addition problems.**

Eliminate the double signs and rewrite the expression. Then isolate the terms of your new expression.

1. $8 + (-7)$ is the same as $8 - 7$

2. $10 + (-4)$ is the same as $10 - 4$

3. $9 + (-1)$ is the same as $9 - 1$

4. $7 + (-8)$ is the same as $7 - 8$

5. $3 + (-5)$ is the same as $3 - 5$

6. $2 + (-9)$ is the same as $2 - 9$

7. $5 + (-2)$ is the same as $5 - 2$

8. $3 + (-4)$ is the same as $3 - 4$

9. $1 + (-7)$ is the same as $1 - 7$

10. $6 + (-4)$ is the same as $6 - 4$

11. $-8 + (-7)$ is the same as $-8 - 7$

12. $-10 + (-4)$ is the same as $-10 - 4$

13. $-9 + (-1)$ is the same as $-9 - 1$

14. $-7 + (-8)$ is the same as $-7 - 8$

15. $-3 + (-5)$ is the same as $-3 - 5$

16. $-2 + (-9)$ is the same as $-2 - 9$

17. $-5 + (-2)$ is the same as $-5 - 2$

18. $-3 + (-4)$ is the same as $-3 - 4$

19. $-1 + (-7)$ is the same as $-1 - 7$

20. $-6 + (-4)$ is the same as $-6 - 4$

Adding a negative is the same as _____.



Eliminate the double signs and rewrite the expression. Then isolate the terms of your new expression.

21. $6 - (+1)$ is the same as $6 + 1$

22. $4 - (-4)$ is the same as $4 + 4$

23. $7 - (-1)$ is the same as $7 + 1$

24. $2 - (-3)$ is the same as $2 + 3$

25. $9 - (-6)$ is the same as $9 + 6$

26. $1 - (-6)$ is the same as $1 + 6$

27. $8 - (-3)$ is the same as $8 + 3$

28. $12 - (-4)$ is the same as $12 + 4$

29. $3 - (-5)$ is the same as $3 + 5$

30. $2 - (-9)$ is the same as $2 + 9$

31. $-6 - (-1)$ is the same as $-6 + 1$

32. $-4 - (-4)$ is the same as $-4 + 4$

33. $-7 - (-1)$ is the same as $-7 + 1$

34. $-2 - (-3)$ is the same as $-2 + 3$

35. $-9 - (-6)$ is the same as $-9 + 6$

36. $-1 - (-6)$ is the same as $-1 + 6$

37. $-8 - (-3)$ is the same as $-8 + 3$

38. $-12 - (-4)$ is the same as $-12 + 4$

39. $-3 - (-5)$ is the same as $-3 + 5$

40. $-2 - (-9)$ is the same as $-2 + 9$

Subtracting a negative is the same as _____.