

9-18-17

Aim: SWBAT add and subtract integers.

HW: Textbook Pg. 66 # 12 - 23 & Pg. 70 # 3 - 18 (just add or subtract)
Quiz Wednesday (Add and Subtract)

Do Now: Quick Quiz (you need a pencil)

Name Key

Date _____

Rewriting Integer Expressions

Period _____

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 subtracting a positive.

Name _____

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Rewriting Integer Expressions

Period _____

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Subtracting a negative is the same as adding a positive.

Name _____

A Analyzing Integer Expressions

Date _____

Period _____

Expression	Isolated Terms	Description of the Isolated Terms	Sign of the Answer?	Which Algorithm Decides the Number?	Final Answer
$5 - 7$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 7 \\ + 5 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$	-2
$10 - 2$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 10 \\ + 2 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ - 2 \\ \hline \end{array}$	8
$15 - 12$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 15 \\ + 12 \\ \hline \end{array}$ $\begin{array}{r} 15 \\ - 12 \\ \hline \end{array}$	3
$25 - 30$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 30 \\ + 25 \\ \hline \end{array}$ $\begin{array}{r} 30 \\ - 25 \\ \hline \end{array}$	-5
$40 - 45$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 45 \\ + 40 \\ \hline \end{array}$ $\begin{array}{r} 45 \\ - 40 \\ \hline \end{array}$	-5
$100 - 75$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 100 \\ + 75 \\ \hline \end{array}$ $\begin{array}{r} 100 \\ - 75 \\ \hline \end{array}$	25

Name _____

B

Analyzing Integer Expressions

Date _____

Period _____

Expression	Isolated Terms	Description of the Isolated Terms	Sign of the Answer?	Which Algorithm Decides the Number?	Final Answer
$5 - (-7)$ $5 + 7$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 7 \\ + 5 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$	12
$10 - (-2)$ $10 + 2$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 10 \\ + 2 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ - 2 \\ \hline \end{array}$	12
$15 - (-12)$ $15 + 12$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 15 \\ + 12 \\ \hline \end{array}$ $\begin{array}{r} 15 \\ - 12 \\ \hline \end{array}$	27
$25 - (-30)$ $25 + 30$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 30 \\ + 25 \\ \hline \end{array}$ $\begin{array}{r} 30 \\ - 25 \\ \hline \end{array}$	55
$40 - (-45)$ $40 + 45$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 45 \\ + 40 \\ \hline \end{array}$ $\begin{array}{r} 45 \\ - 40 \\ \hline \end{array}$	85
$100 - (-75)$ $100 + 75$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 100 \\ + 75 \\ \hline \end{array}$ $\begin{array}{r} 100 \\ - 75 \\ \hline \end{array}$	175

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Period _____

C

Analyzing Integer Expressions

Expression	Isolated Terms	Description of the Isolated Terms	Sign of the Answer?	Which Algorithm Decides the Number?	Final Answer
$-5 + (-7)$ -5 - 7	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 7 \\ + 5 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$	-12
$-10 + (-2)$ -10 - 2	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 10 \\ + 2 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ - 2 \\ \hline \end{array}$	-12
$-15 + (-12)$ -15 - 12	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 15 \\ + 12 \\ \hline \end{array}$ $\begin{array}{r} 15 \\ - 12 \\ \hline \end{array}$	-27
$-25 + (-30)$ -25 - 30	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 30 \\ + 25 \\ \hline \end{array}$ $\begin{array}{r} 30 \\ - 25 \\ \hline \end{array}$	-55
$-40 + (-45)$ -40 - 45	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 45 \\ + 40 \\ \hline \end{array}$ $\begin{array}{r} 45 \\ - 40 \\ \hline \end{array}$	-85
$-100 + (-75)$ -100 - 75	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 100 \\ + 75 \\ \hline \end{array}$ $\begin{array}{r} 100 \\ - 75 \\ \hline \end{array}$	-175

Name _____

D

Analyzing Integer Expressions

Date _____

Period _____

Expression	Isolated Terms	Description of the Isolated Terms	Sign of the Answer?	Which Algorithm Decides the Number?	Final Answer
$-5 + 7$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 7 \\ + 5 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$	2
$-10 + 2$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 10 \\ + 2 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ - 2 \\ \hline \end{array}$	-8
$-15 + 12$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 15 \\ + 12 \\ \hline \end{array}$ $\begin{array}{r} 15 \\ - 12 \\ \hline \end{array}$	-3
$-25 + 30$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 30 \\ + 25 \\ \hline \end{array}$ $\begin{array}{r} 30 \\ - 25 \\ \hline \end{array}$	5
$-40 + 45$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 45 \\ + 40 \\ \hline \end{array}$ $\begin{array}{r} 45 \\ - 40 \\ \hline \end{array}$	5
$-100 + 75$	Same Signs or Different Signs	All + All - More + More -	+ or -	$\begin{array}{r} 100 \\ + 75 \\ \hline \end{array}$ $\begin{array}{r} 100 \\ - 75 \\ \hline \end{array}$	-25