

1b worksheet - adding subtracting integers

Thursday, September 13, 2018 9:35 AM



1b worksheet - adding subtracting integers

Ma8
Ms. Clay

ADDING/SUBTRACTING INTEGERS

Name: _____ Blk: _____

A. Solve the following:

1. $31 - (-17) = 48$

16. $20 - (-41) = 61$

2. $20 + 62 = 82$

17. $55 + 44 = 99$

3. $3 + (-63) = -60$

18. $(-43) - 71 = -114$

4. $(-87) - (-31) = -56$

19. $-39 + 47 = 8$

5. $-25 - 88 = -113$

20. $(-61) - 26 = -87$

6. $(-3) + (-71) = -74$

21. $-3 - 33 = -36$

7. $93 - 22 = 71$

22. $24 - 50 = -26$

8. $82 + 38 = 120$

23. $43 - (-6) = 49$

9. $34 + 62 = 96$

24. $5 + (-40) = -35$

10. $(-63) - (-79) = 16$

25. $-29 + (-87) = -116$

11. $84 - (-37) = 121$

26. $65 + 19 = 84$

12. $(-56) + 91 = 35$

27. $(-20) - 37 = -57$

13. $52 + 23 = 75$

28. $75 - (-83) = 158$

14. $(-20) + 41 = 21$

29. $(-2) - (-56) = 54$

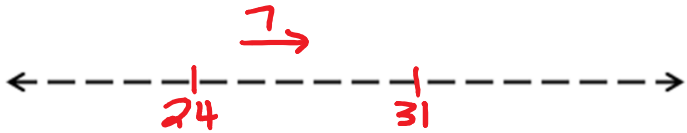
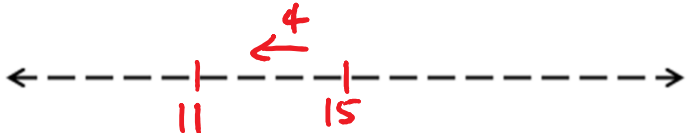
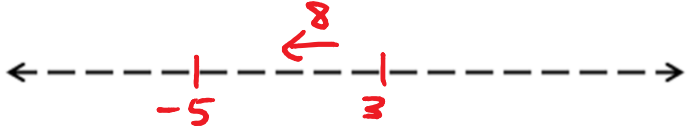
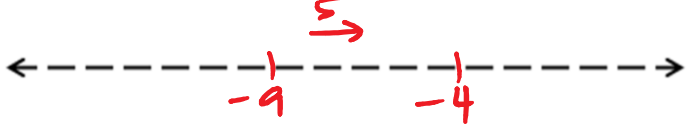
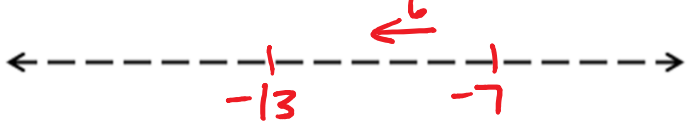
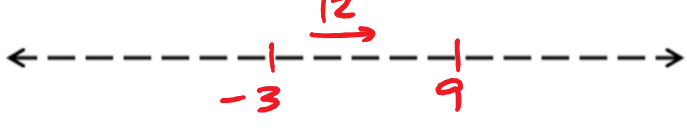
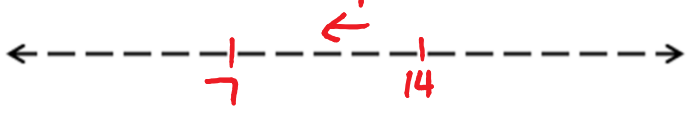
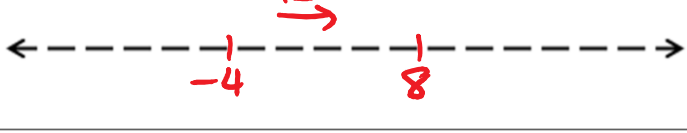
$$14. (-20) + 41 = 21$$

$$29. (-2) - (-56) = 54$$

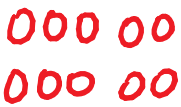
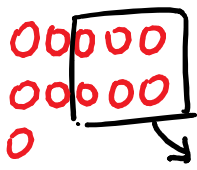
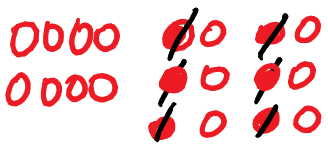
$$15. (-8) + (-23) = -31$$

$$30. 46 + 46 = 92$$

B. Use a **NUMBER LINE** to model and solve the following problems:

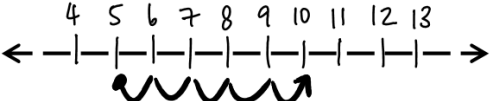
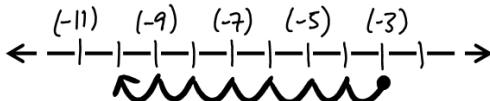
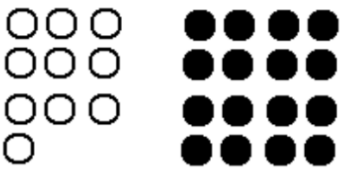
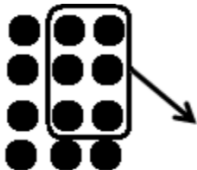
1. $24 + 7$		$= 31$
2. $15 - 4$		$= 11$
3. $3 - 8$		$= -5$
4. $-9 + 5$		$= -4$
5. $-7 - 6$		$= -13$
6. $-3 + 12$		$= 9$
7. $14 + (-7)$ $14 - 7$		$= 7$
8. $-4 + (-12)$ $-4 + 12$		$= 8$

C. Use **COLORED TILES** to model and solve the following problems:

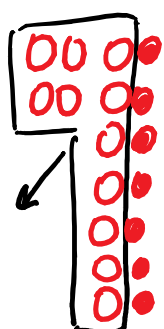
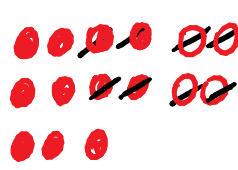
1. $-9 + 2$		$= -7$
2. $-4 - 5$		$= -9$
3. $-8 + 3$		$= -5$
4. $6 + 4$		$= 10$
5. $11 - (+6)$		$= 5$
6. $3 + (-7)$		$= -4$
7. $-2 - (-3)$		$= 1$
8. $8 - (-6)$		$= 14$

D. Write out the equations* being modelled in the following illustrations:

*Remember that an equation has an EQUAL sign in it.

 $5 + 5 = 10$	 $-3 - 7 = -10$
(assume shaded circles are NEGATIVE)  $10 + (-16) = -6$	(assume shaded circles are NEGATIVE)  $-12 - (-6) = -6$

E. Use colored tiles to model and solve the following problems:

1. $4 - 11 =$  $= -7$	2. $-11 + 4 =$  $= -7$
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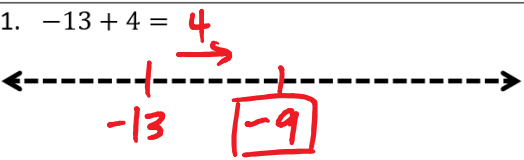
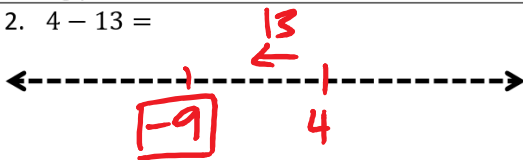
→ What is the SAME about these two problems?

answer

→ What is DIFFERENT about these two problems?

picture/process/operation

F. Use a number line to model and solve the following problems:

1. $-13 + 4 =$  -13 -9	2. $4 - 13 =$  -9 4
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Assignment: complete section A ↑ from worksheet

Optional: Complete Sections B-F