

Day 5 Topic: Adding and Subtracting Integers

What are the Rules for SUBTRACTING Integers?

Write the subtraction problem as a **ADDITION PROBLEM** or re-write the double negative as a **positive**.

Same signs, **ADD** and *keep*

Different signs **subtract**

Keep the sign of the larger digit than you'll be exact!

WHAT DO YOU MEAN BY A DOUBLE NEGATIVE?

$-(-14)$	$-(-18)$	$-(-91)$	$-(-13)$	$-(-85)$
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How do we subtract integers?

$12 - (-8)$	$-12 - (-8)$
<ul style="list-style-type: none"> • Addition problem • Same sign? • Different sign? • Add/ Subtract? 	<ul style="list-style-type: none"> • Addition problem • Same sign? • Different sign? • Add/ Subtract?
$-8 - 12$	$8 - 12$
<ul style="list-style-type: none"> • Addition problem • Same sign? • Different sign? • Add/ Subtract? 	<ul style="list-style-type: none"> • Addition problem • Same sign? • Different sign? • Add/ Subtract?

Subtract.

1. $3 - 8$

2. $4 - (-5)$

3. $-6 - 4$

4. $-9 - (-6)$

5. $10 - (-9)$

6. $12 - 4$

7. $-15 - 7$

8. $-6 - (-14)$

9. $-1 - (-3)$

10. $15 - (-7)$

11. $20 - (-10)$

12. $-31 - 14$

Type your answers to questions 1-12 below.

- 1)
- 2)
- 3)
- 4)
- 5)
- 6)
- 7)
- 8)
- 9)
- 10)
- 11)
- 12)

13. You are scuba diving at -8 feet. You dive 5 feet deeper. What is your position in the water?
14. Write $7 - 3$ using addition.
15. Write $5 + (-3)$ using subtraction.

Type your answers for 13-15 below:

- 13)
- 14)
- 15)

Evaluate the expression.

16. $8 - 12 - (-6)$

17. $8 - (-8) - 3$

18. $0 - (-4) - 8$

19. $9 - (-4) + 1$

20. $7 - 12 - (-4)$

21. $-11 - (-8) - (-3)$

22. $-14 - 6 - (-2)$

23. $8 + 0 - (-11)$

24. $8 + 13 - (-5)$

Type your answers for 16-24 below

16)

17)

18)

19)

20)

21)

22)

23)

24)