

WORKSHEET 1.16: SUBTRACTING INTEGERS

You can subtract integers by rewriting the subtraction problem as addition. Follow the steps below:

1. Change the subtraction sign to addition.
2. Change the sign of the second number to its opposite.
3. Follow the rules for adding integers.

EXAMPLES

$-3 - 15 =$	$6 - 10 =$	$-5 - (-20) =$	$8 - (-2) =$
$-3 + (-15) =$	$6 + (-10) =$	$-5 + 20 =$	$8 + 2 =$
-18	-4	15	10

DIRECTIONS: Find each difference.

1. $8 - 15$

2. $3 - 12$

3. $11 - (-4)$

4. $12 - (-16)$

5. $8 - (-8)$

6. $0 - 5$

7. $-6 - 9$

8. $8 - 8$

9. $-7 - 4$

10. $20 - (-15)$

11. $-18 - (-4)$

12. $9 - 11$



CHALLENGE: Write the steps for solving the following subtraction problem. Then find the difference. $-3 - (-10 - 6)$

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You can subtract integers by rewriting the subtraction problem as addition. Follow the steps below:

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- } ADD the OPPOSITE

EXAMPLES

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-18	-4	15	10

DIRECTIONS: Find each difference.

1. $8 - 15$

-7

2. $3 - 12$

-9

3. $11 - (-4)$

15

4. $12 - (-16)$

28

5. $8 - (-8)$

16

6. $0 - 5$

-5

7. $-6 - 9$

-15

8. $8 - 8$

0

9. $-7 - 4$

-11

10. $20 - (-15)$

35

11. $-18 - (-4)$

-14

12. $9 - 11$

-2



CHALLENGE: Write the steps for solving the following subtraction problem. Then find the difference. $-3 - (-10 - 6)$

Rewrite the problem as $-3 - (-10 + (-6))$

Find the sum of $-10 + (-6)$ $-3 - (-16)$

Rewrite the problem as $-3 + 16$

Find the sum of $-3 + 16$ 13