

- New seats
- Agenda - Hw tb pages 543-544
- Correct Spiral 2
- Spiral Review Corrections Sheet Info
- Tear out pages 521-543

Sep 4-1:47 PM

18.1 Multiplying Integers



18.2 Dividing Integers

Sep 3-9:09 AM

https://my.hrw.com/content/hmof/math/gomath/common/video/video.html#videoid=ref:TXGOMTH_RW_V6.07

Sep 3-8:53 AM



**Same Signs -
POSITIVE**

$-9 \cdot -5 = 45$
 $9 \cdot 5 = 45$
 $\frac{72}{8} = 9$ $\frac{-72}{-8} = 9$

**Two negatives -
MAKE A POSITIVE**

**Different Signs -
NEGATIVE**

$-9 \cdot 5 = -45$
 $9 \cdot -5 = -45$
 $\frac{-72}{8} = -9$ $\frac{72}{-8} = -9$

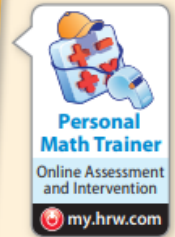
**One negative
STAYS NEGATIVE**

Sep 3-9:10 AM

YOUR TURN

Find each product.

4. $-3(5)$ -15 5. $(-10)(-2)$ 20
 6. $7(-6)$ -42 7. $0(-22)$ 0
 8. $(-15)(-3)$ 45 9. $8(4)$ 32



Lesson 18.1 527

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Sep 4-1:50 PM

13. Flora made 7 withdrawals of \$75 each from her bank account. What was the overall change in her account? (Example 1)

$7(-75) = -525$

14. A football team lost 5 yards on each of 3 plays. Explain how you could use a number line to find the team's change in field position after the 3 plays. (Explore Activity 1)

15. The temperature dropped 2° every hour for 6 hours. What was the total number of degrees the temperature changed in the 6 hours? (Explore Activity 1)

$-2(6) = -12$

16. The price of one share of Acme Company declined \$5 per day for 4 days in a row. How much did the price of one share change in total after the 4 days? (Explore Activity 1)

17. A mountain climber climbed down a cliff 50 feet at a time. He did this 5 times in one day. What was the overall change in his elevation? (Explore Activity 1)

$(-50ft)(5) = -250ft$

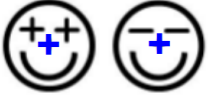
Sep 4-1:50 PM

Find each quotient. (Example 1) pg. 534

1. $\frac{-14}{2} = -7$
 3. $\frac{26}{-13} = -2$
 5. $\frac{-45}{-5} = 9$

2. $21 \div (-3) = -7$
 4. $0 \div (-4) = 0$
 6. $-30 \div (10) = -3$


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Sep 4-1:50 PM

Write a division expression for each problem. Then find the value of the expression. (Example 2)

15. Clark made four of his truck payments late and was fined four late fees. The total change to his savings from late fees was $-\$40$. How much was one late fee?

$-40 \div 4 = -8$ / one late fee is \$10


16. Jan received -22 points on her exam. She got 11 questions wrong out of 50 questions. How much was Jan penalized for each wrong answer?

17. Allen's score in a video game was changed by -75 points because he missed some targets. He got -15 points for each missed target. How many targets did he miss?

$-75 \div -15 = 5$

18. Louisa's savings change by $-\$9$ each time she goes bowling. In all, it changed by $-\$99$ during the summer. How many times did she go bowling in the summer?


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Sep 4-3:12 PM

Using the Order of Operations with Integers

The order of operations applies to integer operations as well as positive number operations. Perform multiplication and division first, and then addition and subtraction. Work from left to right in the expression.

Same Signs - POSITIVE

$\oplus \oplus$ $\ominus \ominus$

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pg.541

Evaluate each expression.

16. $\underline{-12(-3)} + 7 = \underline{36+7} = 43$

17. $\underline{-42 \div (-6)} + 5 - 8 = \underline{7+5} = 12 - 8 = 4$

18. $10(-60) - 18$ _____

19. $(-11)(-7) + 5 - 82$ _____

20. $\underline{35 \div (-7)} + 6 = \underline{-5+6} = 1$

21. $\underline{-13(-2)} - 16 - 8 = \underline{26-16} = 10 - 8 = 2$

Sep 4-3:13 PM

$(-1) \times 1 = -1$

$(-1) \times (-1) = 1$

$(-1) \times (-1) \times (-1) = -1$

$(-1) \times (-1) \times (-1) \times (-1) = 1$

$(-1) \times (-1) \times (-1) \times (-1) \times (-1) = -1$

What pattern do you notice in regards to the number of negative signs being multiplied and the answer?

Even or Odd

even number of negative signs = positive +

odd number of negative signs = negative -



Sep 3-9:10 AM

Homework

Textbook pages 543 - 544

All 4 Operations Test on Friday 9/7

Sep 4-1:50 PM