

How do 3 and Sutebers with the calle eight



Add their absolute values.

The sum is positive if both integers are positive. The sum is negative if both integers are negative. Examples: 3+4=7 -2+(-4)=-6

How do i everthage suffering with the ease event



Add its opposite. Then follow the rules for adding. Another way to say it is "same, change, change."

Example: 4-15= 4+ (-15) = -11



HOW DO I HULTIPLY INTEGERS WITH THE SAME SIGNY



The product of two integers with the same sign is positive.

Multiply by an even # of negatives ----- positive answer.

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The quotient of two integers with the same sign is positive.

$$144 \div 12 = 12$$

$$-72 \div -9 = 8$$

How do I and Interests with different signer

Subtract their absolute values.

The sum is positive if the positive integer's absolute value is greater.

The sum is <u>negative</u> if the <u>negative</u> integer's absolute value is greater.

Examples: 7+(-11) = -4 -2+9=7

HOW DO I CUSTANST INTESERS WITH DIFFERENT SIENT ?

Add its opposite. Then follow the rules for adding. Two negatives next to each other make a positive!

$$18-(-2) = 18 + (+2) = 20$$

$$-5 - 11 = -5 - (+11) = -5 + (-11) = -16$$

How do 3 Hultsply Shtebers with differential signer

The product of two integers with different signs is negative.

$$7(-8) = -56$$
 $-9(8) = -72$

Multiply by an odd # of negatives ----- negative answer.

How do i divide interests with different eight?

The quotient of two integers with different signs is negative.

$$90 \div (-10) = -9$$

$$-120 \div 5 = -24$$

Lesson 4 Skills Practice

Multiplying Integers

Find each product.

$$1.-2(8)$$

$$2. - 4(-4)$$

$$4. -7(-3)$$

$$5.-5(20)$$



13. - 4(5)(-3)

Simplify each expression.

17.
$$-2 \cdot 3x$$

12 X

Evaluate each expression if x = -5 and y = -6.



Lesson 5 Skills Practice

Dividing Integers

Find each quotient.

$$5.\frac{-32}{4}$$

$$6.\frac{45}{9}$$

$$7\frac{-45}{3}$$

8.
$$\frac{-25}{-5}$$

9.
$$\frac{35}{-7}$$

10.
$$\frac{-63}{-7}$$

$$11.\frac{-144}{12}$$
 - 2 $12.\frac{48}{-6}$ - 8

12.
$$\frac{48}{-6}$$

Evaluate each expression if x = -8 and y = -12.

$$-8\div 2$$

17.
$$\frac{x}{-2}$$
 $\frac{8}{-2}$

$$18.\frac{y}{3} - \frac{12}{3}$$

$$19.\frac{0}{x}$$

$$20.\frac{-112}{x} < \frac{12}{8}$$

$$\frac{y}{21.\frac{y}{-6}} = \frac{12}{-6} = 2$$

22.
$$\frac{x}{4} - \frac{8}{4}$$

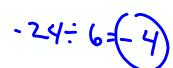
$$23.\frac{-144}{y} = -\frac{144}{12}$$

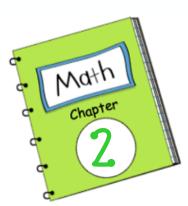
$$23. \frac{-144}{y} : \frac{144}{12}$$

$$24. \frac{-136}{x} = \frac{134}{8}$$

Find the average (mean) of each group of numbers.

26. 12, 24, 9, 15, 18, 20, 16, 14





TETLE: Integers

9				
Date	Lesson	Topic/Assignment		
9/28	1	Integers and Abs Value. Video Notes		
9/29	1	HW Practice WS		
9/29	I	Abs Value Examples		
9/29	ALL	Operations with Integers Foldable		
9/30	2	Add Integers Video Notes		
10/1	2	Skills Practice WS		
10/2	3	Subtract Integers Video Notes		
10/2	3	Practice WS		
10/6	3	Skills Practice WS		
10/6	2&3			
10/7	4&5	Multiply and Divide Integers Video Notes		
10/8	4&5	Skills Practice WS		
10/8	4&5	Partner Activity		

Partner activity: Complete your half-sheet. Read or wait quietly when finished. It should only take 3-5 minutes.

Find someone to be your partner (An A matched with a B) to compare answers.

Partner A	Partner A's Answer	Partner B's Answer	Partner B
When dividing two numbers with different signs, the quotient is			When multiplying two numbers with different signs, the product is
2. When multiplying two numbers with the same sign, the product is			2. When dividing two numbers with the same sign, the quotient is
3. 108 ÷ (-9) =			34 × 3 =
4. 58 × 3 =			4. 522 ÷ 3 =
5125 ÷ (-5) =			55 × (-5) =
6. 27 × (-3) =			6729 ÷ 9 =
7. 114 ÷ 6 =			7. 9.5 × 2 =
8. 9 × 9 =			8324 ÷ (-4) =
9138 ÷ (-3) =			9. 2 × 23 =
10. 7 × (-4) =			10. 168 ÷ (-6) =

