Name: _____ Date:_____

Ms. Napolitano Activity #_____

Day 8 : I can use integer operations to solve real world problems.

Homework

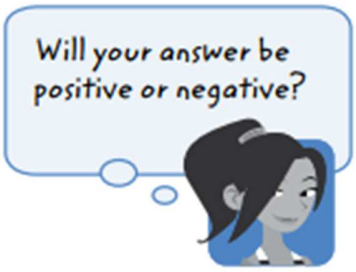
1 A whale dives at a speed of 3 feet per second. What is the change in the position of the whale relative to where it started after 12 seconds?

A −36 feet

B −4 feet

C 4 feet

D 36 feet

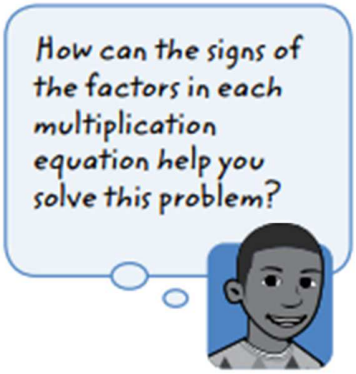


2 Tell whether each equation is *True* or *False*.

a. $-7 \cdot 8 = 7 \cdot (-8)$ ☐ True ☐ False

b. $-7 \cdot (-8) = 7 \cdot 8$ ☐ True ☐ False

c. $7 \cdot (-8) = 7 \cdot 8$ ☐ True ☐ False



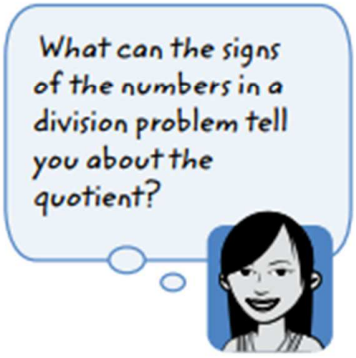
3 Myra withdraws the same amount of money from her checking account each week. In 4 weeks, she withdraws a total of $200. Which equation represents the amount of money her account changes by each week?

A $-200 \div (-4) = 50$

B $-200 \div 4 = -50$

C $-200 \div 4 = 50$

D $-200 \div (-4) = -50$



Sam chose **C** as the correct answer. How did he get that answer?

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4 Kain made two number cubes to use in a game. The faces on each cube contain the numbers 1, −2, 3, −4, 5, and −6. After Kain rolls the two cubes, he multiplies the two numbers.

a. Give an example of two numbers that Kain could roll to get a positive product.

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_____

b. Give an example of two numbers that Kain could roll to get a negative product.

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5 Savannah solves each of the following problems as shown below.

a. $-6 \cdot 12 \div (-4) = 18$

b. $8 \cdot (-3) \div 6 = -4$

c. $-40 \cdot (-2) \div (-10) = 8$

d. $-7 \cdot 5 \cdot (-2) \div 5 = 14$

Are the answers correct? Explain any incorrect answers.

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