

Integers and Equations Jeopardy

Integers	Expressions	1-Step Equations	2-Step Equations	Word Problems
<u>Q \$100</u>	<u>Q \$100</u>	<u>Q \$100</u>	<u>Q \$100</u>	<u>Q \$100</u>
<u>Q \$200</u>	<u>Q \$200</u>	<u>Q \$200</u>	<u>Q \$200</u>	<u>Q \$200</u>
<u>Q \$300</u>	<u>Q \$300</u>	<u>Q \$300</u>	<u>Q \$300</u>	<u>Q \$300</u>
<u>Q \$400</u>	<u>Q \$400</u>	<u>Q \$400</u>	<u>Q \$400</u>	<u>Q \$400</u>
<u>Q \$500</u>	<u>Q \$500</u>	<u>Q \$500</u>	<u>Q \$500</u>	<u>Q \$500</u>

Final Jeopardy

Write an integer to describe
withdrawing \$34 from a savings
account



-\$34



Use $<$, $>$, or $=$ to make a true statement:

$$-12 \underline{\hspace{1cm}} -8$$



>



Solve: $-5 + (-12)$



-17



Solve: $-8 + 7 - 2$



-3



Solve: $-11 - (-25)$



14



Evaluate the expression if $B = 4$:

27-B



23



Evaluate the expression if $Z = -2$:

$$12 - Z$$



14



Evaluate the expression if $K = .4$

$$20(K)$$



.8



Tell the difference between an
expression and an equation.



An expression does not have an
equal sign; an equation does.



Evaluate the expression if $x = 4$
and $y = -3$: $3x - 2y$



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$$B - 4 = -2$$



$$B - 4 = -2$$

$$\begin{array}{r} +4 \quad +4 \\ \hline \end{array}$$

$$B = 2$$



$$Y - 4 = -7$$



$$Y - 4 = -7$$

$$\begin{array}{r} +4 \quad +4 \\ \hline \end{array}$$

$$Y = -3$$



$$4C = 22$$



$$\frac{4C}{4} = \frac{22}{4}$$

$$C = 5.5$$



$$P - (-.7) = -1$$



$$\begin{array}{r} P - (-.7) = -1 \\ \quad \quad \quad \underline{+ (-.7) \quad + (-.7)} \\ P \quad \quad \quad = -1.7 \end{array}$$



$$-4.3 = f - 7.8$$



$$-4.3 = f - 7.8$$

$$\begin{array}{r} +7.8 \\ \hline \end{array} \quad \begin{array}{r} +7.8 \\ \hline \end{array}$$

$$3.5 = f$$



$$2a + 5 = 13$$



$$2a + 5 = 13$$

$$\underline{- 5} \quad \underline{- 5}$$

$$\underline{2a} = \underline{8}$$

$$\underline{2} \quad \underline{2}$$

$$a = 4$$



$$-4 = 5D + 6$$



$$-4 = 5D + 6$$

$$\underline{-6} \qquad \underline{-6}$$

$$\underline{-10} = \underline{5}D$$

$$\underline{5} \qquad \underline{5}$$

$$-2 = D$$



Write the equation for: “Ten is four more than three times a number .”



$$10 = 3x + 4$$



Write and solve the equation for
“Six less than twice a number is
fourteen.”



$$2x - 6 = 14$$

$$\quad \quad \quad \underline{+ 6 \quad + 6}$$

$$\underline{2x} \quad = \quad \underline{20}$$

$$\underline{2} \quad \quad \quad \underline{2}$$

$$x \quad = \quad 10$$



While on vacation, Dawn played tennis. Racket rental was \$6, and court time cost \$28 per hour. If the total cost was \$90, how many hours did Dawn play?



$$28H + 6 = 90$$

$$\underline{- 6} \quad \underline{- 6}$$

$$\underline{28H} = \underline{84}$$

$$\underline{28} \quad \underline{28}$$

$$H = 3$$

Dawn played for 3 hours.



If hamburgers cost \$.99 at Joe's
Burger Hut, how much would 10
burgers cost?



10 burgers would cost \$9.90



A dolphin dives from the surface of the water at a rate of 2.5 feet per second. Where will the dolphin be in relation to the surface after 6 seconds?



The Dolphin will be at -15 feet,
or 15 feet below the surface of
the water.



At night, the surface temperature on the planet Zork can reach a low of -400°F . During the day, the temperature rises at most 350°F .

What is the maximum surface temperature on Zork during the day?



The maximum temperature
would be -50°F .



The perimeter of a rectangle is 35 inches. Find its length if the width is 7 inches.



Length = 10.5 inches



Yesterday, Archie spent 4 times as much on snacks at the movies as he spent on lunch. If he spent \$10 on snacks, how much did he spend on lunch?



Archie spent \$2.50 on lunch.



Use what you know about solving two-step equations to solve the equation

$$2(n - 6) = -8.$$



$$2(n - 6) = -8$$

$$2n - 12 = -8$$

$$\underline{\quad + 12 \quad + 12 \quad}$$

$$\underline{2n} = \underline{4}$$

$$\underline{2} \quad \underline{2}$$

$$n = 2$$

