

Jeopardy

Algebra Readiness Final Review

A series of horizontal lines of varying lengths and colors (teal, light blue, white) extending from the right side of the page towards the center, positioned below the subtitle.

Correct Answer

- [Return to Jeopardy](#)

Wrong Answer

- [Return to Jeopardy](#)

$$[2 \cdot (10 + 5)] - 5$$

What is

a) 25

b) 20

c) 30

d) 5

Evaluate

$3(10m+3z+12)+8$ for $m=3$, and $z=6$

What is

a) 180

b) 120

c) 150

d) 188

Find the sum
 $-10+1+(-6)$

What is

a) 5

b) -15

c) -3

d) -17

Evaluate $-9+(-12)$

What is

a) -21

b) -2

c) 2

d) 21

Write the sum as a product. Simplify the product.

$$(-2)+(-2)+(-2)+ (-2)$$

What is

a) $5(-2); -10$

b) $4(-2); -8$

c) $-2(4); -8$

d) $-2-2-2-2; -8$

Your job pays \$8 per hour.
Write an algebraic
expression for your pay
in dollars for working h
hours. What is your pay
if you work 36 hours?

What is

- a) 8h; \$288
- b) 9h; \$288
- c) 8h; \$292
- d) 8; \$288

A display of gift boxes has 1 box in the top row, 3 boxes in the next row, 5 boxes in the next row and so on. There are 7 rows in all. How many gift boxes are in the display?

What is

- a) 50 boxes
- b) 9 boxes
- c) 49 boxes
- d) 16 boxes

Pies at a local bakery cost \$12. Use the expression $12p$, where p is the number of pies, to find the cost of 4 pies.

What is

- a) \$48
- b) \$12
- c) \$50
- d) \$3

Kai has \$315 in her bank account. She withdraws \$65 for a new jacket and another \$13 for lunch with her friends. She deposits \$26. What is the balance in Kai's account?

What is

- a) \$264
- b) \$393
- c) \$265
- d) \$263

An elevator starts on the fifth floor of a building. It goes up 7 floors then down 8 floors. On which floor does the elevator stop?

What is

- a) the 15th floor
- b) The third floor
- c) the fourth floor
- d) The first floor

Solve for the unknown
variable

$$m - 45 = 10$$

What is

- a) 50
- b) 55
- c) -35
- d) 35

Solve for the unknown
variable

$$8 + K = 13$$

What is

a) -5

b) 21

c) 5

d) -21

Solve for the unknown
variable

$$a/3=5$$

What is

a) -15

b) 15

c) 8

d) 5/3

Solve for the unknown
variable

$$3x + 8 = 20$$

What is

a) 4

b) 7

c) 2

d) -2

Solve for the unknown
variable

$$p/4 + 8 = 10$$

What is

a) 52

b) 8

c) -8

d) 1/2

Write a number to
represent the quantity.
A gain of 5 yards.

What is

a) 4

b) 5

c) -5

d) 1

Find the sum

$$13 + -3$$

What is

a) 16

b) 10

c) -16

d) -10

What is the difference of
15 and 3?

What is

a) 12

b) -18

c) -12

d) 18

What is the product of 9
and 7?

What is

a) -63

b) 2

c) -2

d) 63

Evaluate $-15 \div 3$

What is

a) 5

b) -5

c) -18

d) -12

What is the square root of
25

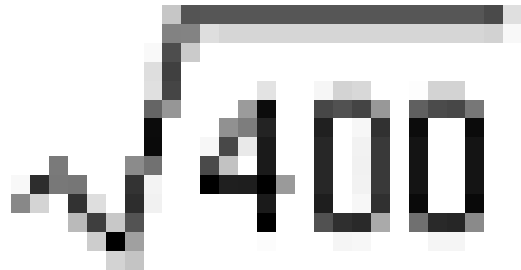
What is

a) 5, -5

b) -5

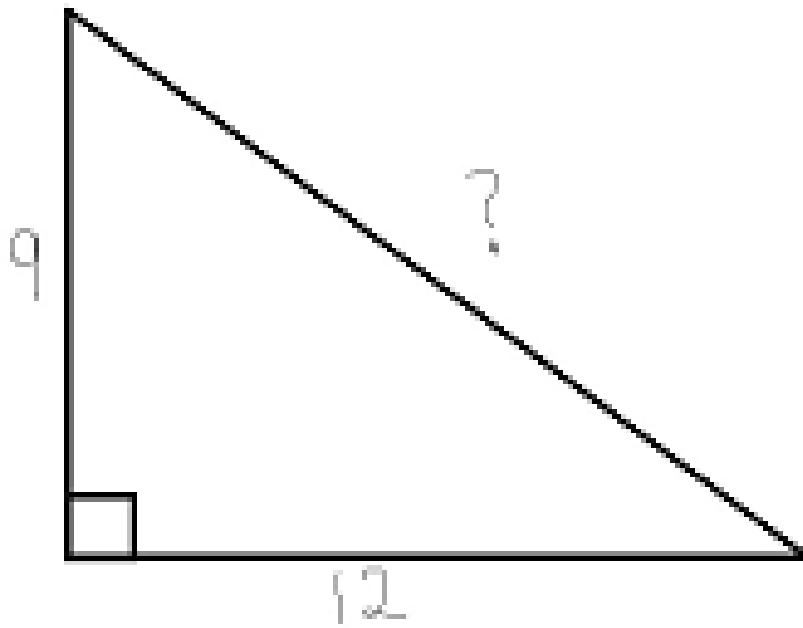
c) 12.5, -12.5

d) 5


$$\sqrt{400}$$

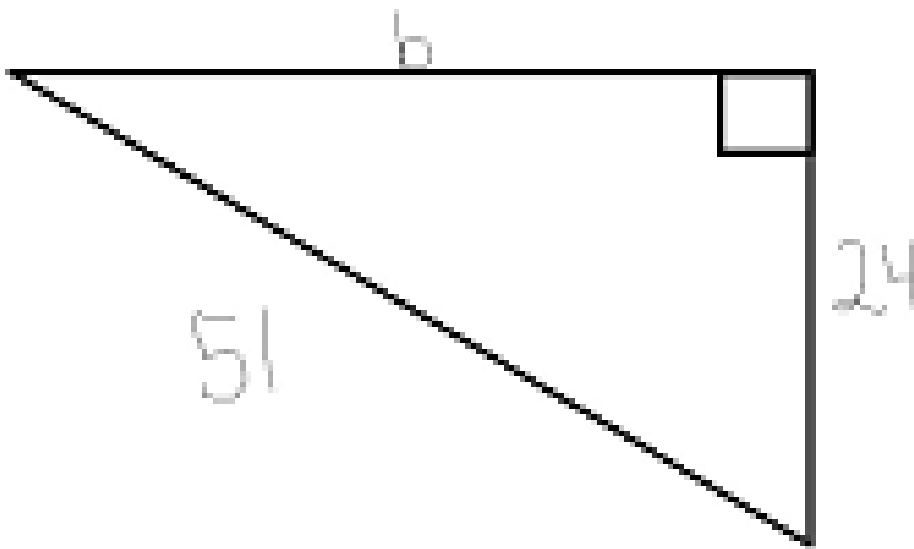
What is

- a) 200
- b) -200
- c) 200, -200
- d) 20, -20



What is

- a) 15
- b) 21
- c) -15
- d) -21



What is

- a) -45
- b) 45
- c) 65
- d) -65

Use the Pythagorean
Theorem to solve:
 $a=3$, $b=?$, $c=5$

What is

- a) 6
- b) 3
- c) 4
- d) 5

Write the rule for the following table

Input	Output
80	8
70	7
30	3
20	2

What is

- a) $x+10=y$
- b) $10x=y$
- c) $x-10=y$
- d) $x/10=y$

Write the rule for the following table

Input	Output
17	32
24	39
35	50
38	53

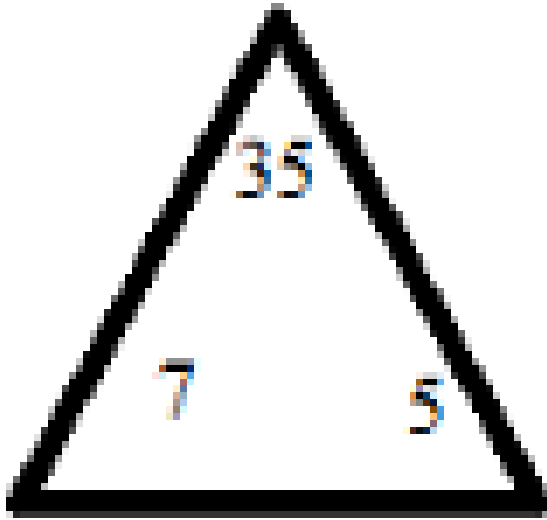
What is

a) $x-15=y$

b) $y-15=x$

c) $y+15=x$

d) $x+15=y$



What is

a) $7 \bullet 5 = 35$
 $5 \bullet 7 = 35$
 $35 + 7 = 5$
 $35 + 5 = 7$

b) $7 \bullet 5 = 35$
 $7 \bullet 5 = 35$
 $35 + 5 = 7$
 $35 + 5 = 7$

c) $7 \bullet 7 = 35$
 $5 \bullet 7 = 35$
 $35 + 5 = 5$
 $35 + 5 = 7$

d) $5 \bullet 7 = 35$
 $5 \bullet 7 = 35$
 $35 + 7 = 5$
 $35 + 7 = 5$

Find the Rate of Change for the Following Table

Input	Output
0	0
1	10
2	20
3	30

What is

- a) 0
- b) 10
- c) 30
- d) 9

$$y=2x+3$$

X	y
1	
2	
3	
4	

What is

- a) 5,915,0
- b) 5,7,9,11
- c) 200,300,400,500
- d) 5,7,9,11,15,20

Identify which property is being used;
Commutative Property, Associative Property, or Identity Property:

$$8+13=13+8$$

What is

- a) Associative Property
- b) Commutative Property
- c) Identity Property
- d) IDK

Identify which property is being used;
Commutative Property,
Associative Property, or
Identity Property:
 $(5+9)+10=5+(9+10)$

What is

- a) Associative Property
- b) Commutative Property
- c) Identity Property
- d) IDK

Identify which property is being used;
Commutative Property,
Associative Property, or
Identity Property:

$$a+0=0+a=a$$

What is

- a) Associative Property
- b) Commutative Property
- c) Identity Property
- d) IDK

Identify which property is being used;
Commutative Property,
Associative Property, or
Identity Property:

$$71=17=7$$

What is

- a) Associative Property
- b) Commutative Property
- c) Identity Property
- d) IDK

Identify which property is being used;
Commutative Property,
Associative Property, or
Identity Property:
 $(ab)c = a(bc)$

What is

- a) Associative Property
- b) Commutative Property
- c) Identity Property
- d) IDK