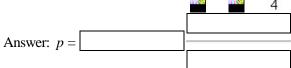


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19	Choice	20	Chrice	21.	Chrice
22.		23		24	

Assignment: Accelerated Algebra Summer Assignment #1

Find the solution to the equation $4\frac{1}{4}p + \frac{1}{4} = 7\frac{1}{4}$. Express your answer in lowest terms.



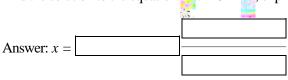
2 Simplify and solve: 12 - 2(x - 5) = 20.

Answer: x =

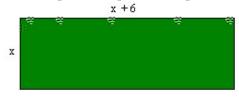
3 Simplify and solve the inequality: -4(x + 2) > 44.

Answer: x <

Find the solution to the equation: $\frac{1}{2}x - 9 = \frac{1}{2}$, expressing x as a mixed number in simplest form.



5 Which expression represents the perimeter of this rectangle?



- 1 2x + 6

- 4 4x

7	Fill in the tM	£	the N

d M

23 Which equation is equivalent to 3x + 4y = 15?

$$\begin{array}{cccc}
1 & & & \\
2 & y = \frac{3x - 15}{4}
\end{array}$$

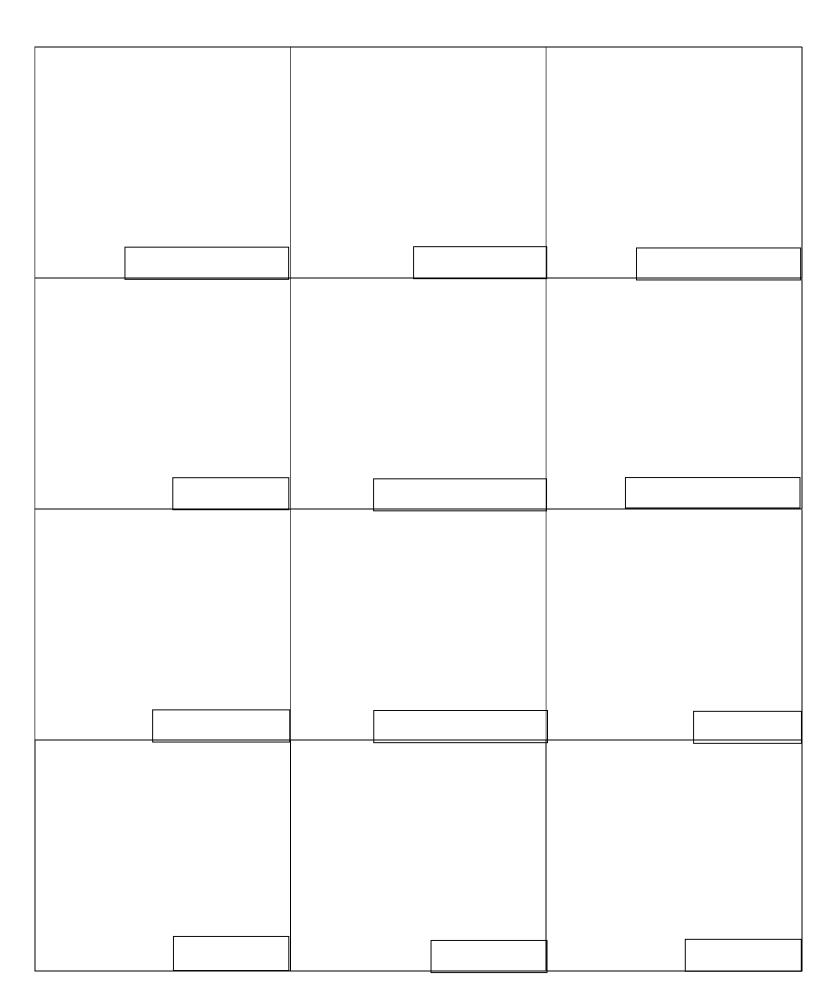
$$3 y = 15 - 3x$$

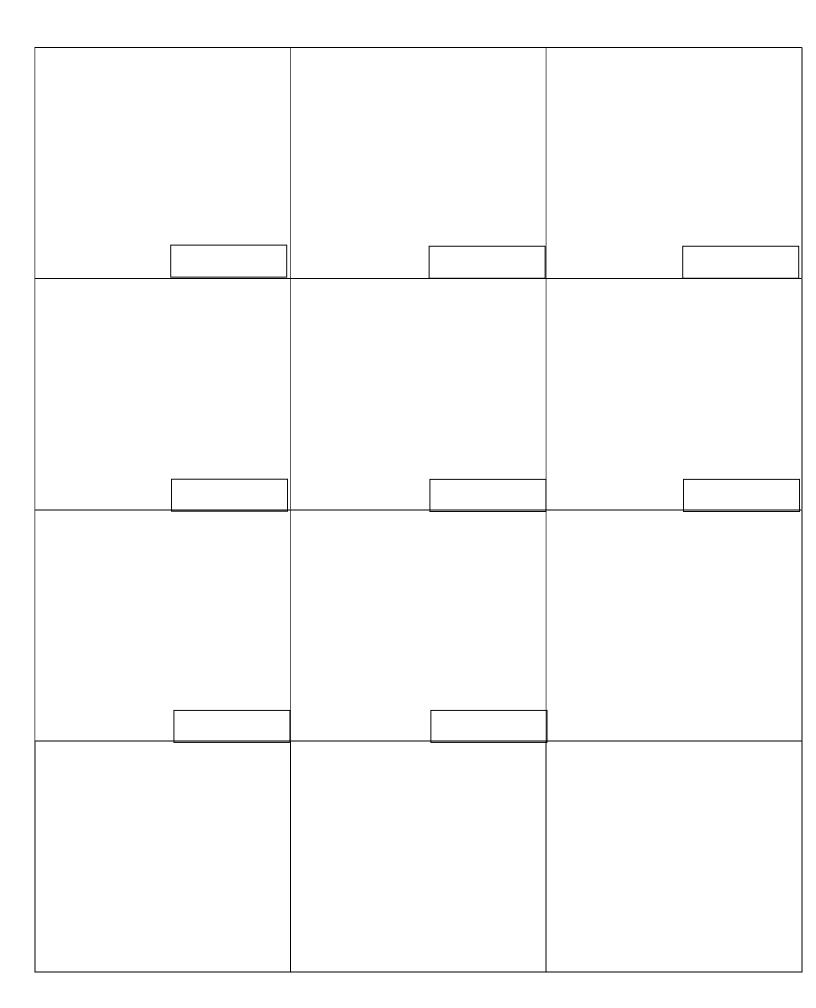
 $4 y = 3x - 15$

$$4 \ y = 3x - 15$$

24 The line 3x - 2y = 12 has

- 1 a slope of $\frac{3}{2}$ and a y-intercept of -6 2 a slope of - $\frac{3}{2}$ and a y-intercept of 6 3 a slope of 3 and a y-intercept of -2 4 a slope of -3 and a y-intercept of -6





- **20** Kylie and Rhoda are solving the equation 4(x 8) = 7(x 4).
 - Kylie uses a first step that results in 4x 32 = 7x 28.
 Rhoda uses a first step that results in 4x 8 = 7x 4.

Which statement about the first steps Kylie and Rhoda use is true?

- Kylie uses the associative property, resulting in a correct first step.
 Kylie uses the distributive property, resulting in a correct first step.
 Rhoda uses the associative property, resulting in a correct first step.
- 4 Rhoda uses the distributive property, resulting in a correct first step.

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	Choice		Chrice		Chrice

13	14	15

Assignment: Accelerated Algebra Summer Assignment #3

1 Linda paid \$48 for a jacket that was on sale for 25% of the original price. What was the original price of the jacket?

- \$60
- \$72
- 2 3 4 \$96
- \$192

2 A 14-gram serving of mayonnaise contains 11 grams of fat. What percent of the mayonnaise, to the nearest tenth of a percent,

Answer:

3 Solve for x: 15x - 3(3x + 4) = 6

- 1 1
- 3 3

Solve for x: $\frac{x}{4} + 7 = 5$

Solve for x: $\frac{3x}{4} - 1 = 2$

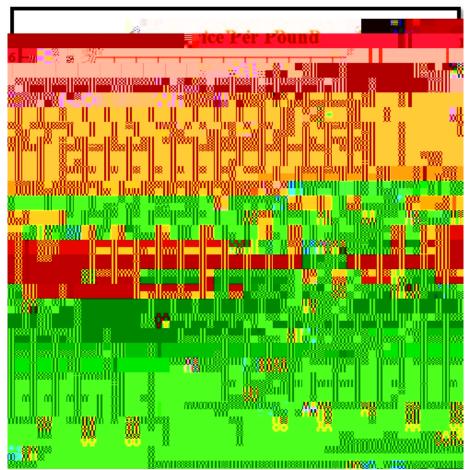
- $\frac{4}{3}$ 2 3 4
- 2 3 4

Sue bought a picnic table on sale for 50% off the original price. The store charged her 10% tax and her final cost was \$22.00. What was the original price of the picnic table?

Answer: \$

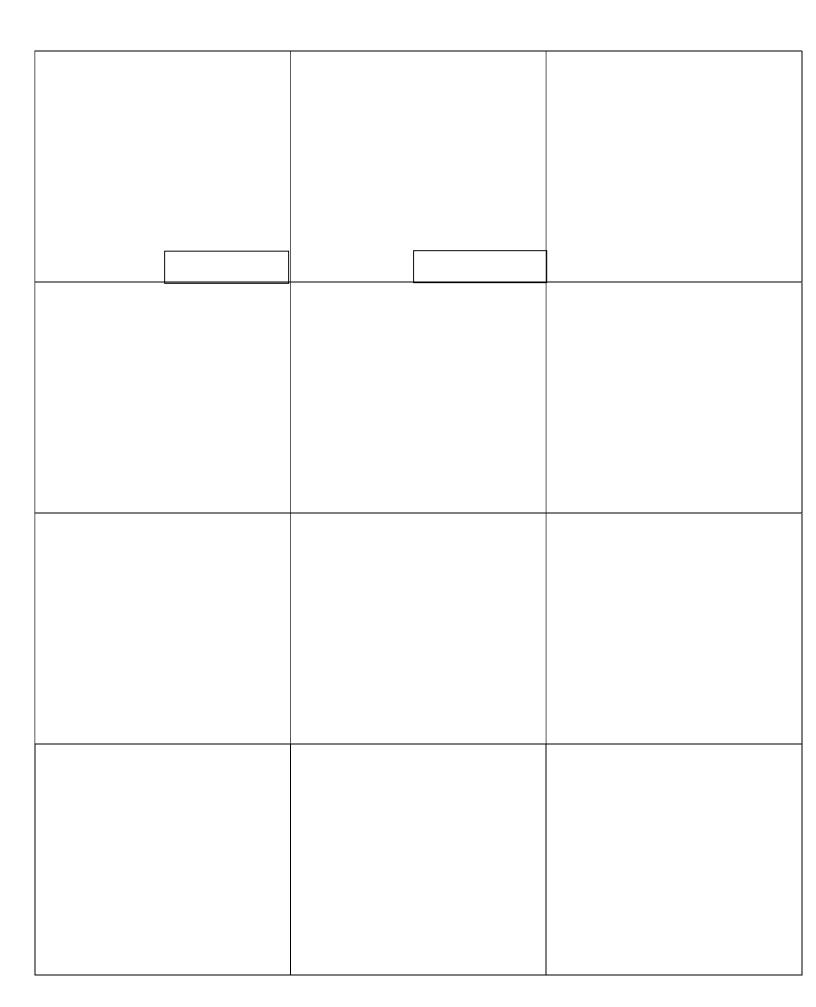
Stefano purchased a truck for $\frac{5}{6}$ of the sticker price of \$35,670. He had to pay 7.25% sales tax. What was the amount of Stefano's bill?

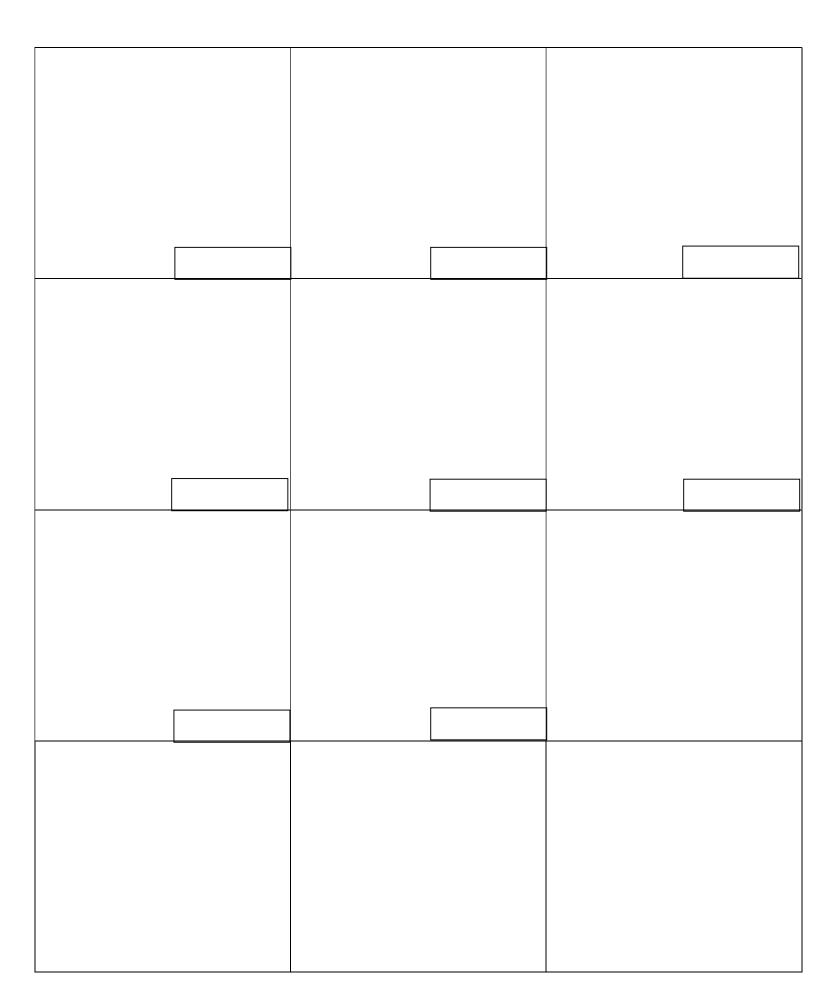
- 1 \$42,804.00 2 \$32,311.08 **3** \$31,880.06 4 \$29,725.00
- 13 Your family purchased new living room furniture on credit at the store, which is a simple interest loan. If your family paid



The graph above represents the cost of bananas compared to the weight of the bananas for Company A. Company B uses the equation c = 1.5w to figure out the cost, c, for a certain weight, w, in pounds of bananas. Select the statement that is true.

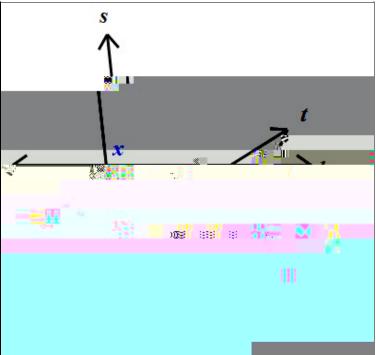
- 1 The unit rate for Company A is greater than the unit rate for Company B.
- 2 Two pounds of bananas would cost the same at Company A and Company B.
- 3 Eight pounds of bananas costs no more than \$10 at Company A and Company B.
- 4 Ten pounds of bananas costs more at Company B than at Company A.
- A recipe for a dozen cookies calls for c. chocolate chips, 1 c. sugar, 1 c. flour, and 2 eggs. If Kathy wants to make 4 dozen cookies, which should she use?
 - 1 3 c. chocolate chips, 2 c. sugar, 6 c. flour, 8 eggs
 - 2 6 c. chocolate chips, 1 c. sugar, 3 c. flour, 4 eggs
 - 3 1 1 c. chocolate chips, 1 c. sugar, 3 c. flour, 4 eggs
 - 4 9 c. chocolate chips, 6 c. sugar, 9 c. flour, 10 eggs





Assignment: Accelerated Algebra Summer Assignment #4

1 Parallel lines and are cut by transversals and to form the diagram below.



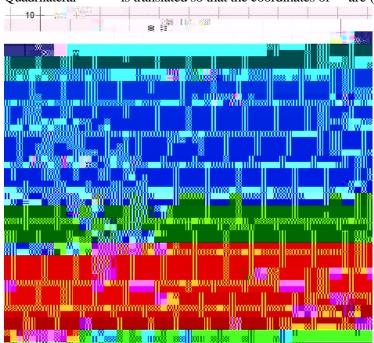
What is the value of ?

- 1 58° 2 64° 3 96° 4 116°

The rectangle below was dilated by a scale factor of $\frac{1}{3}$.

Quadrilateral

is translated so that the coordinates of are (5, 8).



What are the coordinates of

- 1 (4, 6)

- 2 (6, 4) 3 (7, 7) 4 (8, 5)

If $(7.6 \times 10^{\circ})(3.5 \times 10^{3}) = 2.66 \times 10^{9}$, what is the value of ?

- 1 6 2 5 3 3
- 4 7

5 What are the coordinates of the image of point (2, -7) under the translation (3, -3) (3, -3)?

- 1 (-1, -2)
- 2 (-1, 2)
- 3(5, -12)
- 4 (5, 12)

The vertices of have coordinates (5,1), (-2,-3), and (-4,1). Under which transformation is the image congruent to

- 1 a translation of two units to the right and two units down
- 2 a counterclockwise rotation of 180 degrees around the origin
- 3 a reflection over the -axis
- 4 a dilation with a scale factor of 2 and centered at the origin

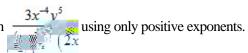
- $1 \frac{10b^4}{a^3}$
- $2 \frac{25b^4}{a^3}$



- A recent computer study showed that computer $processes up to <math>5.12 \times 10^4 bits of data every second. Computer$ processes up to 1.28×10^7 bits of data per second. How many times faster is computer than computer ?
 - $1~6.40\times10^{\textstyle 2}$
- Which shows $(3^2)^{-2}$ in standard form?
 - $\begin{array}{ccc} 1 & 1 \\ 2 & -81 \end{array}$
 - $\frac{3}{81}$ $\frac{1}{81}$
- What is the value of

 - $\frac{3}{4} + \frac{4}{64}$

Simplify the expression $\frac{3x^2}{2}$



The expression
$$\frac{12w^9y^3}{-3w^3y^3}$$
 is equivalent to

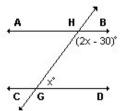
- 1 4 6
- 2 -4 3
- 3 9 6
- 493

The distance to the Moon from Earth is
$$5.05 \times 10^8$$
 miles. The distance to the Pluto is 5.05×10^{16} miles. How many times the distance to the Moon is it to Pluto?

- 1 10⁸ 2 10,000,000
- 3 10⁹
- 4 10-8

17 How would you change
$$2.05 \times 10^{-1}$$
 to 2.05×10 ?

- Multiply by 1,000.
 Divide by 1,000.
 Divide by 100.
 Multiply by 100.



Find the value of .

- 1 30 2 50 3 70 4 110

Which is a 180° rotation of the figure ?



Which expression is equivalent to ??

