

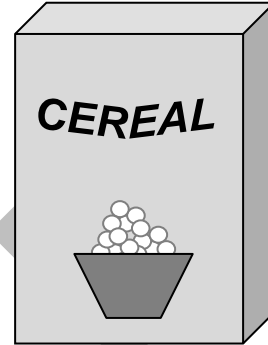
1. Scott is building a pen for his goats. The pen is rectangular, and measures 10 feet by 12 feet. If he has 40 feet of fencing in the barn, how much additional fencing will he need to enclose the pen? Use the expression below to find the amount of additional fencing Scott will need. Write the answer in a complete sentence.

$$[(2 \times 10) + (2 \times 12)] - 40$$

Answer: \_\_\_\_\_

TEKS 5.4F

2. A box of cereal is 12 inches tall, 9 inches long, and 2 inches wide. Find the perimeter of the base, the area of the base, and the volume of the cereal box.



Perimeter of the Base	
Area of the Base	
Volume of the Box	

TEKS 5.4H

3. Place the shapes in the correct level of the chart based on their attributes. Use each shape exactly one time.



Level 1	<ul style="list-style-type: none"> <li>Not a polygon</li> </ul>	
Level 2	<ul style="list-style-type: none"> <li>Polygon</li> <li>3 acute angles</li> </ul>	
Level 3	<ul style="list-style-type: none"> <li>Polygon</li> <li>2 obtuse angles</li> </ul>	

TEKS 5.5A

4. One foot is equivalent to 12 inches. Complete the following conversion statements.

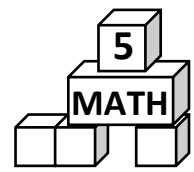
12 inches = \_\_\_\_\_ foot

36 inches = \_\_\_\_\_ feet

2 feet = \_\_\_\_\_ inches

5 feet = \_\_\_\_\_ inches

TEKS 5.7A



1. A chess team earned 16.5 points in the first round of competition. Tom earned 3.75 points, James earned 8.5 points, and Larry earned the remaining number of points. How many points did Larry earn? Answer in a complete sentence.

Answer: \_\_\_\_\_

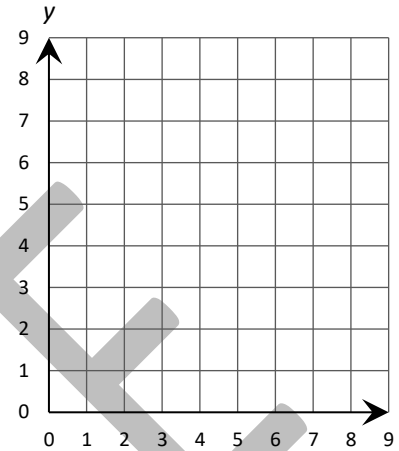
\_\_\_\_\_

TEKS 5.3K

2. Complete the following table using the rule  $y = x + 3$ . Graph the points identified in the table.

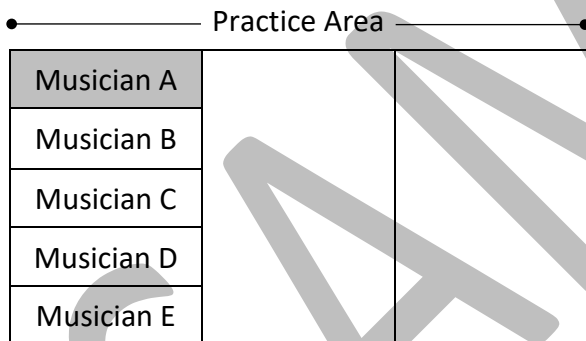
$y = x + 3$

x	y
0	
1	
2	
3	
4	
5	



TEKS 5.4C

3. One-third of the practice area was shared equally by 5 musicians. The model below shows this situation.



What fraction of the practice area was used by Musician A?

$\frac{1}{3} \div 5 =$  \_\_\_\_\_

TEKS 5.3J

4. Alice earns \$1,600 per month. She budgets for the following expenses:

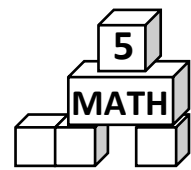
- One-fourth of her income pays for rent and utilities.
- One-eighth of her income is budgeted for college expenses.
- One-tenth of her income is budgeted for groceries.
- One-fifth of her income is used for a car payment.
- One-eighth of her income is used for medical insurance.

Determine the amount of money for each budgeted item, and then calculate the money remaining for other expenses.

Alice's Budget

Expenses	Amount (\$)
Rent/Utilities	
College Expenses	
Groceries	
Car Payment	
Health Insurance	
Other	

TEKS 5.10F



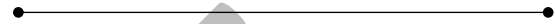
1. There is  $\frac{1}{2}$  cup of sugar in the container. If 5 people share the sugar equally, how much sugar will each person add to his/her coffee? Write an equation, and then solve. Write your answer in a complete sentence.

Equation

Answer: \_\_\_\_\_

TEKS 5.3L

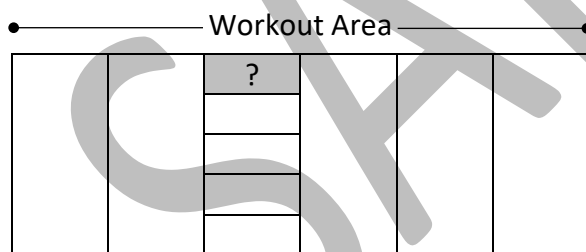
2. The side length of a cube is shown below. Measure the length to the nearest centimeter. Find the perimeter of the base of the cube, the area of the base of the cube, and the volume of the cube.



Side Length	
<b>Perimeter</b> of the Base	
<b>Area</b> of the Base	
<b>Volume</b> of the Cube	

TEKS 5.4H

3. One-sixth of the workout area is devoted to weight training. The owner divided the weight training area into 5 individual work stations. The model below shows this situation.



What fraction of the workout area is devoted to an athlete at a weight training station?

$\frac{1}{6} \div 5 =$  \_\_\_\_\_

TEKS 5.3J

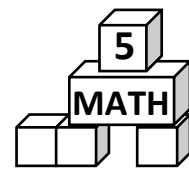
4. Haley earns \$4,000 a month. She budgets for the following expenses:

- \$1,000.00 is budgeted for rent,
- \$250.00 per month is budgeted for food,
- \$500.00 is budgeted for a car payment,
- \$300.00 is budgeted for insurance.

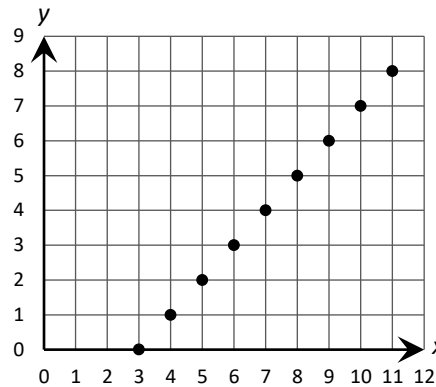
Does Haley have any money left for other needs/uses? Answer in a complete sentence.

Answer: \_\_\_\_\_

TEKS 5.10F



13. Points are graphed on the coordinate plane below for the equation  $y = x - 3$ .



Which input/output table shows values that make the equation  $y = x - 3$  true?

**F.**

x	y
3	0
4	3
5	6
6	9
7	12
8	15
9	18
10	21
11	24

**G.**

x	y
0	3
1	4
2	5
3	6
4	7
5	8
6	9
7	10
8	11

**H.**

x	y
3	0
4	1
5	2
6	3
7	4
8	5
9	6
10	7
11	8

**J.**

x	y
3	0
4	1
5	2
6	3
7	4
8	5
9	6
10	7
11	11

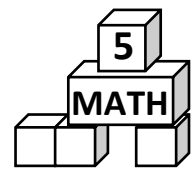
TEKS 5.4C

15. One-half of the garden will be planted in flowers. One-half of the garden will be planted in vegetables. Farmer Frank will plant 5 different vegetables. If Farmer Frank plants an equal area of green beans, okra, corn, squash, and peas, what fraction of the total garden will be planted in okra?

FLOWERS	Green Beans	Okra	Corn	Squash	Peas
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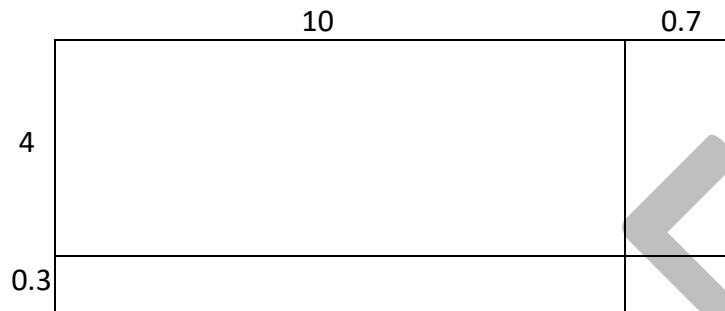
- A.  $\frac{1}{10}$
- B.  $\frac{1}{5}$
- C.  $\frac{1}{7}$
- D.  $\frac{1}{20}$

TEKS 5.3L



11. Ruben used an area model to solve the multiplication problem below.

$$10.7 \times 4.3$$

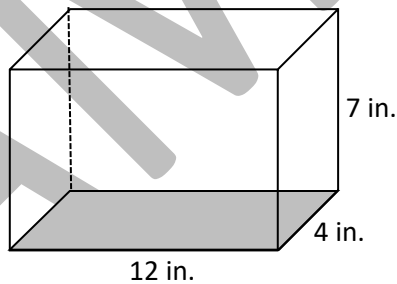


What is the product?

- A. 98.00 because  $40 + 28 + 3 + 21 = 98.00$
- B. 40.79 because  $40 + 0.28 + 0.3 + 0.21 = 40.79$
- C. 46.01 because  $40 + 2.8 + 3 + 0.21 = 46.01$
- D. 43.31 because  $40 + 2.8 + 0.3 + 0.21 = 43.31$

TEKS 5.3C

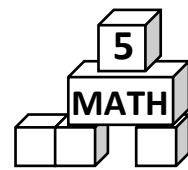
12. A rectangular prism is shown below.



Which of the following is **not** true?

- F. The perimeter of the base is 32 inches.
- G. The area of the shaded base is 28 square inches.
- H. The volume of the prism is 336 cubic inches.
- J. The length of the prism is 1 foot.

TEKS 5.4H



3. A hamster drinks  $\frac{1}{4}$  cups of water each day. If Melissa pours 6 cups of water into the hamster’s drink cylinder, how many days should the water last?

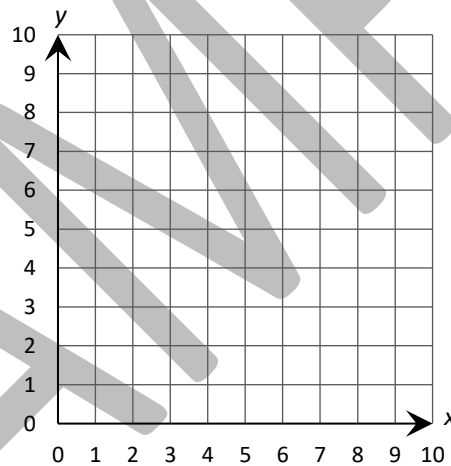
Record your answer and fill in the bubbles. Be sure to use the correct place value.

			.		
0	0	0		0	0
1	1	1		1	1
2	2	2		2	2
3	3	3		3	3
4	4	4		4	4
5	5	5		5	5
6	6	6		6	6
7	7	7		7	7
8	8	8		8	8
9	9	9		9	9

TEKS 5.3L

4. The ordered pairs below represent three vertices of a square.

$$\left(2\frac{1}{2}, 3\right), \left(2\frac{1}{2}, 7\frac{1}{2}\right), \left(7, 7\frac{1}{2}\right)$$



Which ordered pair could represent the location of the fourth vertex of the square?

- F.  $\left(7\frac{1}{2}, 3\right)$
- G.  $(7, 3)$
- H.  $\left(7, 2\frac{1}{2}\right)$
- J.  $\left(7\frac{1}{2}, 2\frac{1}{2}\right)$

TEKS 5.8C