Oklahoma Academic Standards 1.1 Sample Test Items:

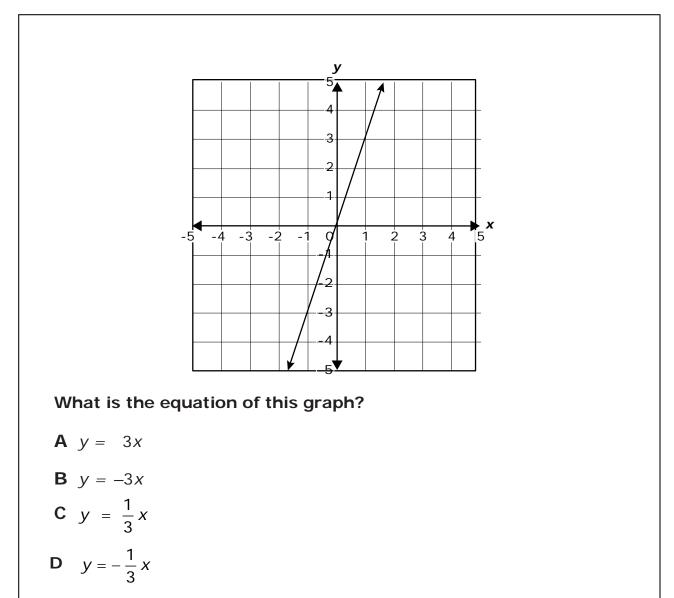
Primary Process Standard: 7M2.1 Depth of Knowledge: 2 Correct Answer: B

x	У
-3	6
0	3
3	0
6	-3

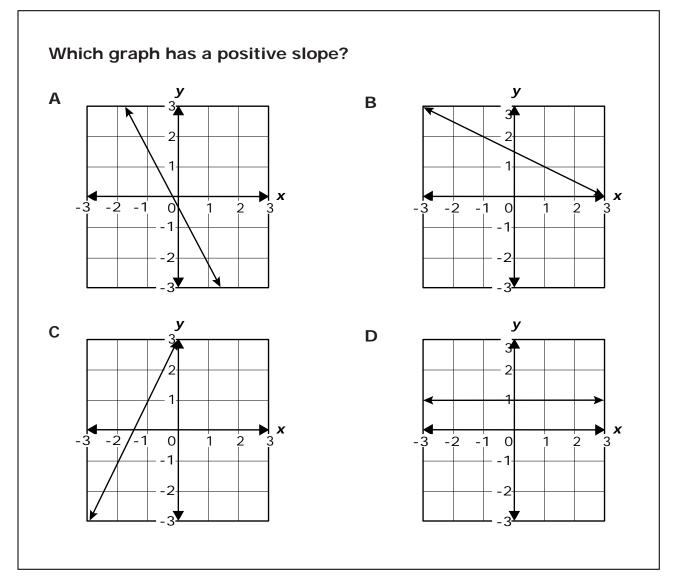
What happens to the value of y as the value of x increases?

- **A** The value of *y* increases.
- **B** The value of *y* decreases.
- **C** The value of *y* stays the same.
- **D** The value of *y* decreases and then increases.

Primary Process Standard: 7M2.1 Depth of Knowledge: 2 Correct Answer: A



Primary Process Standard: 7M2.3 Depth of Knowledge: 1 Correct Answer: C



Oklahoma Academic Standards 1.2 Sample Test Items:

Primary Process Standard: 7M1.5 Depth of Knowledge: 2 Correct Answer: C

$$4x - 10 = 18$$

What value of *x* makes this equation true?

A 2

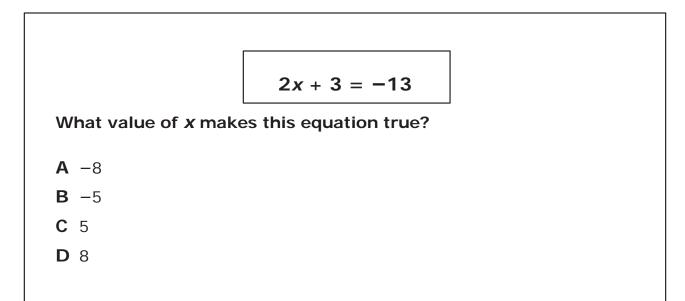
B 4

C 7

D 8

Oklahoma Academic Standards 1.3 Sample Test Items:

Primary Process Standard: 7M1.5 Depth of Knowledge: 2 Correct Answer: A



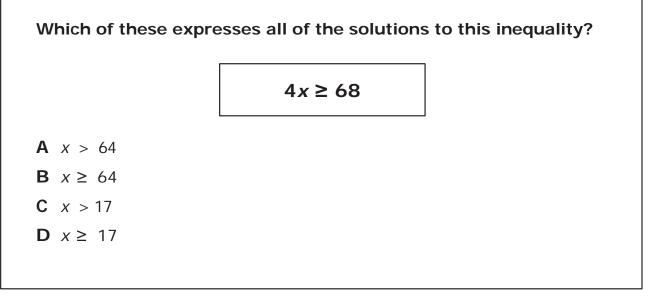
Primary Process Standard: 7M5.1 Depth of Knowledge: 2 Correct Answer: A

Stacey earns \$15 plus \$2 for each newspaper she delivers each week. Which equation can Stacey use to find *c*, the number of customers she needs to earn \$25 each week?

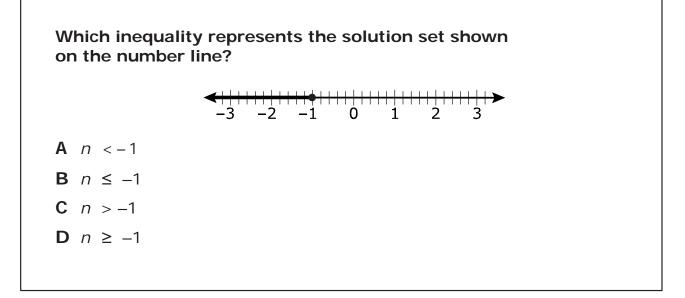
A 2c + 15 = 25 **B** 15c + 2 = 25 **C** 17c = 25**D** 2c = 25

Oklahoma Academic Standards 1.3 Sample Test Items:

Primary Process Standard: 7M1.5 Depth of Knowledge: 1 Correct Answer: D



Primary Process Standard: 7M5.3 Depth of Knowledge: 1 Correct Answer: B



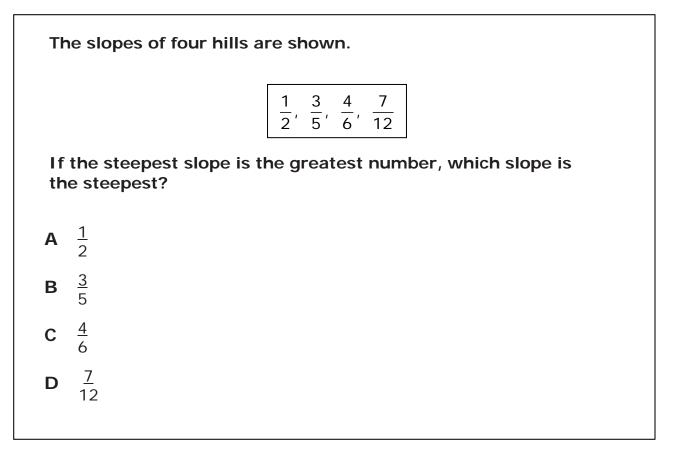
Primary Process Standard: 7M5.2 Depth of Knowledge: 3 Correct Answer: A

```
A school science club has less than \frac{4}{5} the number of members
as the math club. If the science club has 16 members, which
inequality represents m, all of the possible numbers of math
club members?
A m > 20
B m < 20
C m > 13
D m < 13
```

Oklahoma Academic Standards 2.1a Sample Test Items:

Primary Process Standard: 7M1.4 Depth of Knowledge: 1 Correct Answer: C

Maria recorded these temperatures during a science experiment. $-6 \circ F$, $-5.8 \circ F$, $-5.1 \circ F$, $-15 \circ F$, $-6.4 \circ F$ Which list shows the temperatures in order from least to greatest? A $-5.1 \circ F$, $-5.8 \circ F$, $-6 \circ F$, $-6.4 \circ F$, $-15 \circ F$ B $-5.1 \circ F$, $-5.8 \circ F$, $-6.4 \circ F$, $-6 \circ F$, $-15 \circ F$ C $-15 \circ F$, $-6.4 \circ F$, $-6 \circ F$, $-5.8 \circ F$, $-5.1 \circ F$ D $-15 \circ F$, $-6 \circ F$, $-6.4 \circ F$, $-5.1 \circ F$, $-5.8 \circ F$ Primary Process Standard: 7M4.2 Depth of Knowledge: 2 Correct Answer: C



Primary Process Standard: 7M5.1 Depth of Knowledge: 2 Correct Answer: D

Adam, Dave, Kyla, and Dan gathered 100 eggs from the hen house. The table shows what part of the total each person gathered.

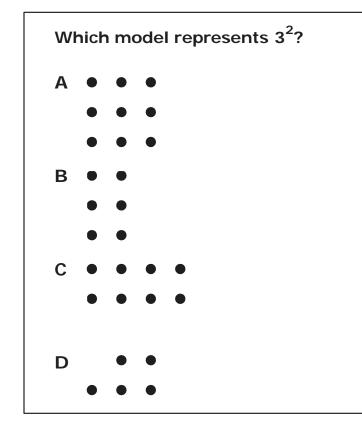
Eggs Gathered		
Name	Part of the Total Gathered	
Adam	<u>1</u> 4	
Dave	0.31	
Kyla	26%	
Dan	<u>9</u> 50	

Which lists the names in the order of the person who gathered the <u>most</u> eggs to the person who gathered the <u>fewest</u> eggs?

- A Dan, Adam, Kyla, Dave
- B Adam, Kyla, Dave, Dan
- C Kyla, Dave, Dan, Adam
- D Dave, Kyla, Adam, Dan

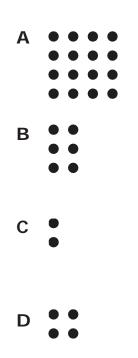
Oklahoma Academic Standards 2.1b Sample Test Items:

Primary Process Standard: 7M5.3 Depth of Knowledge: 1 Correct Answer: A

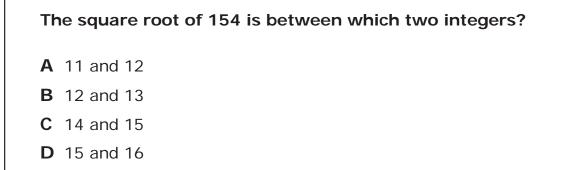


Primary Process Standard: 7M1.6 Depth of Knowledge: 2 Correct Answer: D

Which of these models can be used to represent the area of a square with a side length of $\sqrt{4}$?



Primary Process Standard: 7M1.1 Depth of Knowledge: 2 Correct Answer: B



Primary Process Standard: 7M1.4 Depth of Knowledge: 2 Correct Answer: B

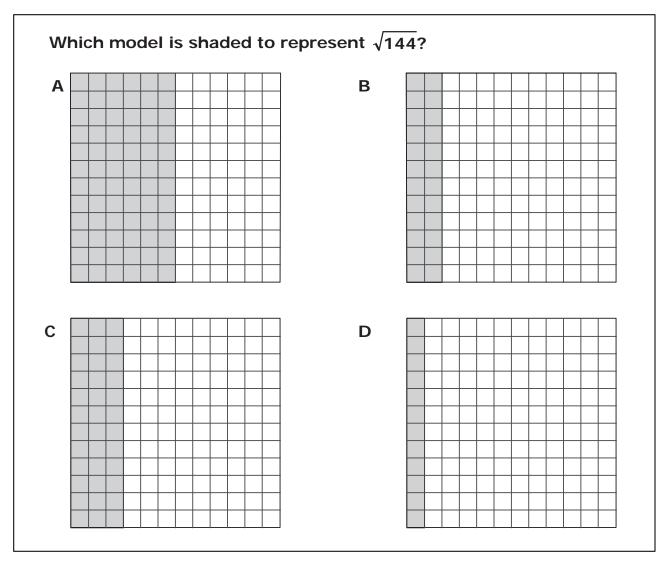
Which whole number is <u>closest</u> to the value of $\sqrt{126}$?

A 10

B 11

- **C** 12
- **D** 13

Primary Process Standard: 7M5.4 Depth of Knowledge: 2 Correct Answer: D

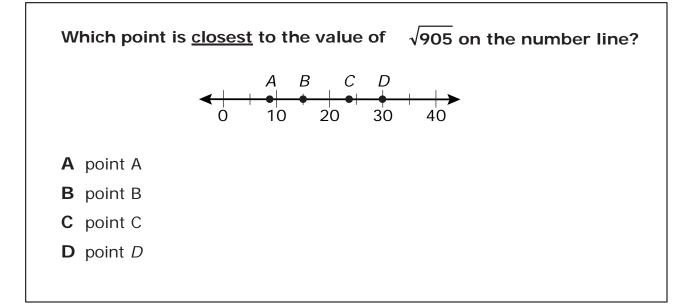


Primary Process Standard: 7M5.3 Depth of Knowledge: 3 Correct Answer: D

Josh has 56 identical square tiles. Which change would <u>best</u> allow Josh to combine all of the square tiles he has to create a single square?

- A adding 6 tiles to the 56 he has
- **B** adding 7 tiles to the 56 he has
- C subtracting 6 tiles from the 56 he has
- **D** subtracting 7 tiles from the 56 he has

Primary Process Standard: 7M3.1 Depth of Knowledge: 3 Correct Answer: D



Oklahoma Academic Standards 2.2a Sample Test Items:

Primary Process Standard: 7M1.6 Depth of Knowledge: 2 Correct Answer: D

There are 42 students in Kim's band class. Of those students, 31 are girls. Which proportion can be used to find *x*, the percent of students in the class that are boys?

A
$$\frac{31}{42} = \frac{x}{100}$$

B $\frac{11}{31} = \frac{x}{100}$
C $\frac{31}{11} = \frac{x}{100}$
D $\frac{11}{42} = \frac{x}{100}$

Primary Process Standard: 7M1.1 Depth of Knowledge: 2 Correct Answer: B

> The ratio of time Tim spends on math homework to science homework is 5 to 4. If he spends 40 minutes on math homework, how many minutes does he spend on science homework?

- **A** 20 minutes
- B 32 minutes
- C 60 minutes
- D 90 minutes

Primary Process Standard: 7M1.1 Depth of Knowledge: 3 Correct Answer: B

A machine in a factory capped 14 bottles in 84 seconds. How many bottles will the machine cap in 2 <u>minutes</u> working at this same rate?

- A 16 bottles
- B 20 bottles
- C 28 bottles
- D 35 bottles

Oklahoma Academic Standards 2.2b Sample Test Items:

Primary Process Standard: 7M4.1 Depth of Knowledge: 2 Correct Answer: D

The Menendez family paid \$45 for a meal at a restaurant. They left a tip that was 20% of the cost of the meal. How much was the tip?

- **A** \$0.20
- **B** \$0.90
- **C** \$2.00
- **D** \$9.00

Primary Process Standard: 7M1.5 Depth of Knowledge: 3 Correct Answer: A

> Steven earns \$12 an hour plus a 15% commission from every sale that he makes. During a two-week period, Steven worked 80 hours and made a total of \$1,300 in sales. What was the total amount of Steven's paycheck for the two-week period?

- **A** \$1,155
- **B** \$1,495
- **C** \$2,260
- **D** \$2,340

Primary Process Standard: 7M4.1 Depth of Knowledge: 3 Correct Answer: C

	Original Prices
	one couch for \$199.99
	two tables for \$149.99 each
	one lamp for \$99.99
	nt is <u>closest</u> to the total cost of Mike's purchase count and including the 6% sales tax?
the 15% dis	
the 15% dis A \$410	

Oklahoma Academic Standards 2.2c Sample Test Item:

Primary Process Standard: 7M1.5 Depth of Knowledge: 1 Correct Answer: D

$$21 - 36 \div (4 - 2^3)$$

What is the value of this expression?
A 4
B 12
C 18
D 30

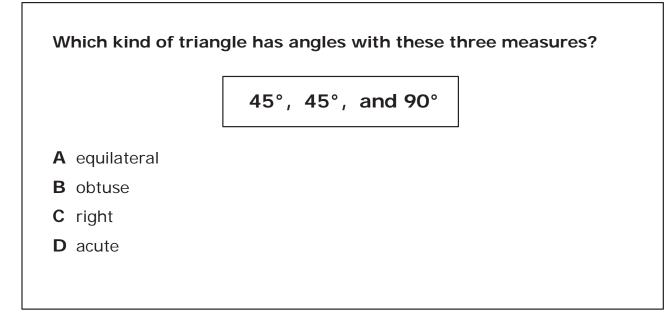
Oklahoma Academic Standards 3.1 Sample Test Items:

Primary Process Standard: 7M2.3 Depth of Knowledge: 1 Correct Answer: B

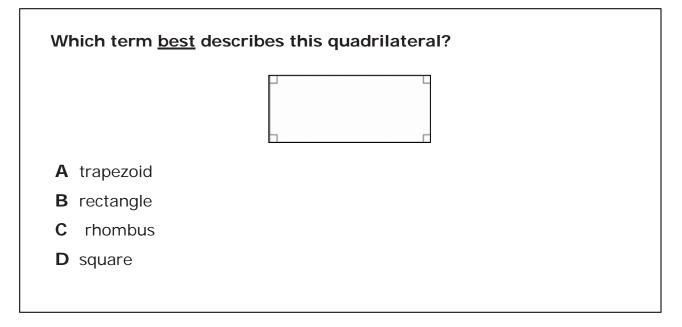
Leticia drew a triangle with exactly two sides of equal length. What type of triangle did Leticia draw?
A scalene
B isosceles
C equilateral

D equiangular

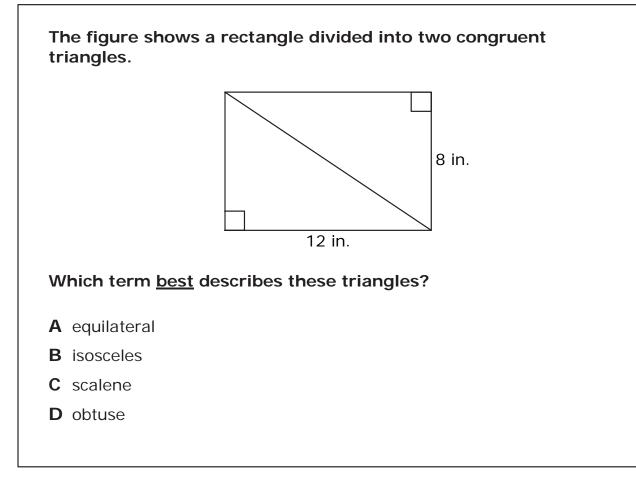
Primary Process Standard: 7M3.1 Depth of Knowledge: 1 Correct Answer: C



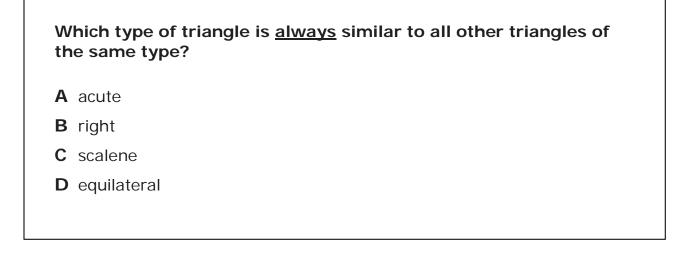
Primary Process Standard: 7M2.3 Depth of Knowledge: 1 Correct Answer: B



Primary Process Standard: 7M2.3 Depth of Knowledge: 2 Correct Answer: C



Primary Process Standard: 7M3.1 Depth of Knowledge: 3 Correct Answer: D



Primary Process Standard: 7M2.3 Depth of Knowledge: 3 Correct Answer: A

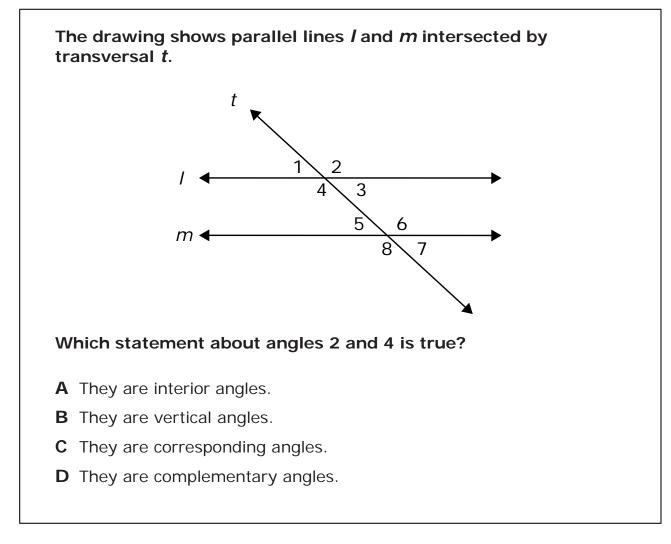
Penny drew a quadrilateral with these characteristics.
all sides are of equal length
the opposite sides are parallel
two angles are acute

What type of quadrilateral did Penny draw?

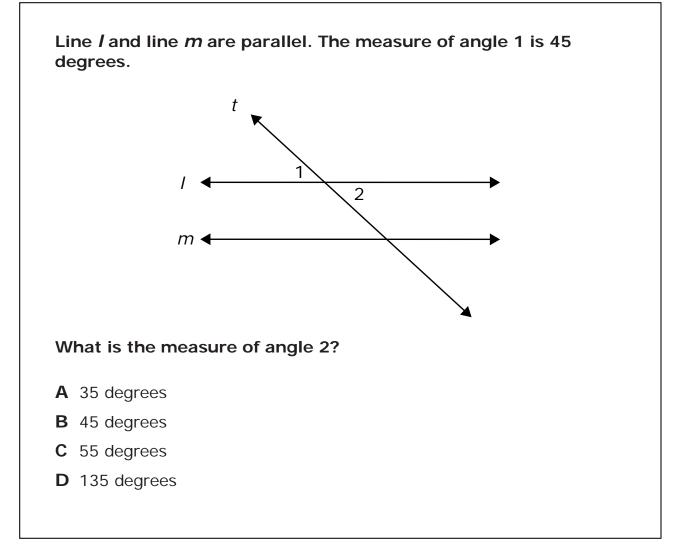
A rhombus
B rectangle
C square
D trapezoid

Oklahoma Academic Standards 3.2 Sample Test Items:

Primary Process Standard: 7M5.2 Depth of Knowledge: 1 Correct Answer: B

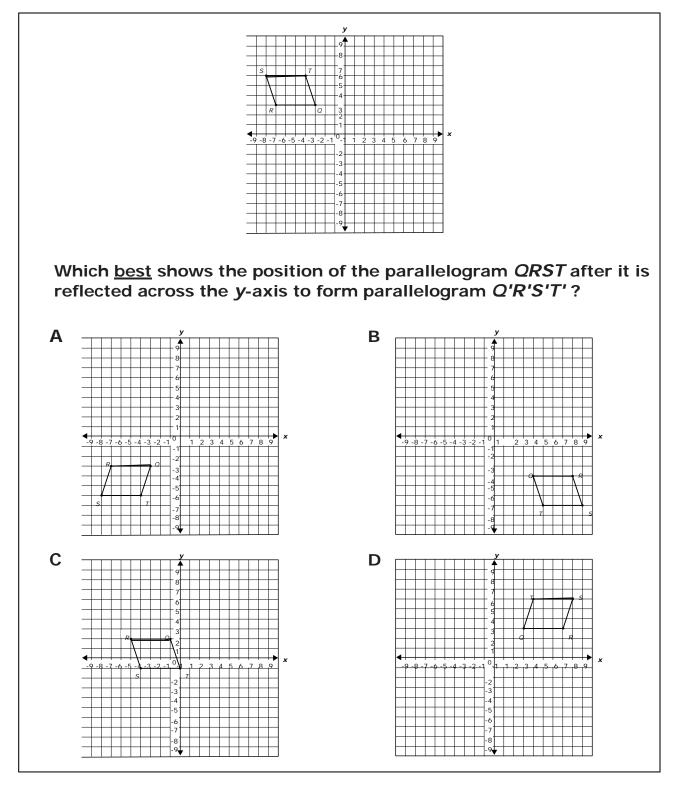


Primary Process Standard: 7M3.3 Depth of Knowledge: 2 Correct Answer: B



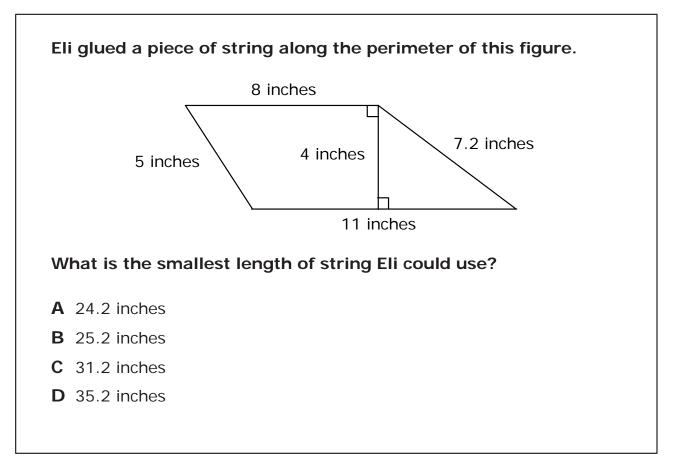
Oklahoma Academic Standards 3.3 Sample Test Items:

Primary Process Standard: 7M5.4 Depth of Knowledge: 2 Correct Answer: D



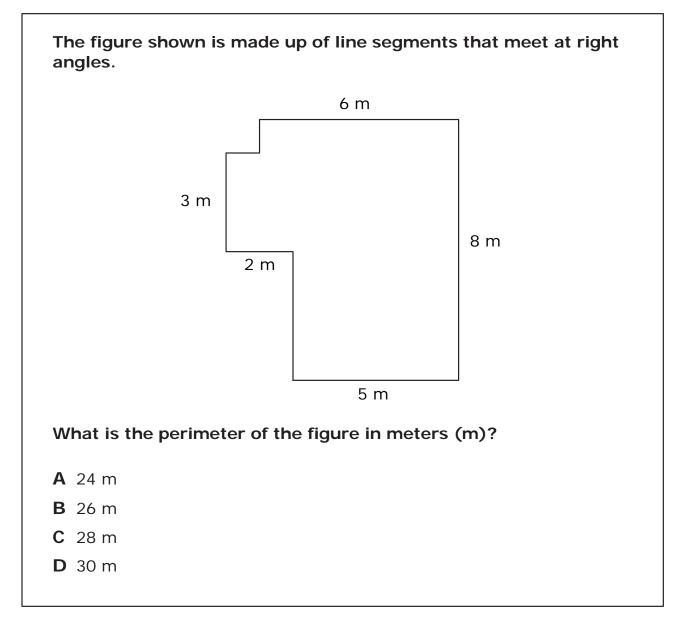
Oklahoma Academic Standards 4.1 Sample Test Items:

Primary Process Standard: 7M5.4 Depth of Knowledge: 2 Correct Answer: C



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Primary Process Standard: 7M1.6 Depth of Knowledge: 2 Correct Answer: D



Primary Process Standard: 7M1.6 Depth of Knowledge: 2 Correct Answer: A

The length of a rectangle is 18 inches. If the perimeter of the rectangle is 60 inches, what is the width, in inches (in.)?

- **A** 12 in.
- **B** 21 in.
- **C** 24 in.
- **D** 42 in.

Oklahoma Academic Standards 4.2 Sample Test Items:

Primary Process Standard: 7M1.1 Depth of Knowledge: 2 Correct Answer: C

> Maria walked around a circular fountain one time. The radius of the fountain is 10 meters. What approximate distance did Maria walk around the fountain?

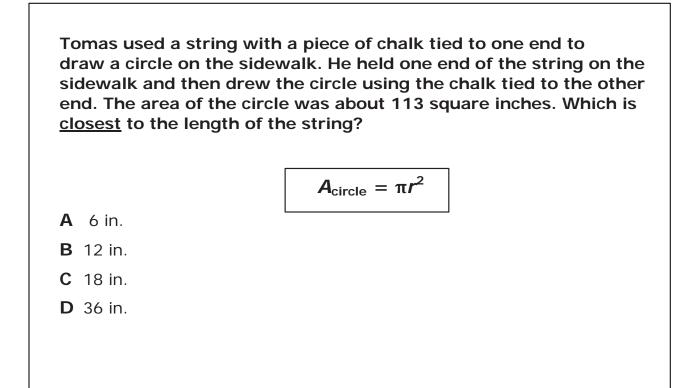
- A 15 meters
- B 31 meters
- C 63 meters
- D 314 meters

Primary Process Standard: 7M1.1 Depth of Knowledge: 1 Correct Answer: B

A circular track has a circumference of 200π meters. What is the radius of the circular track?

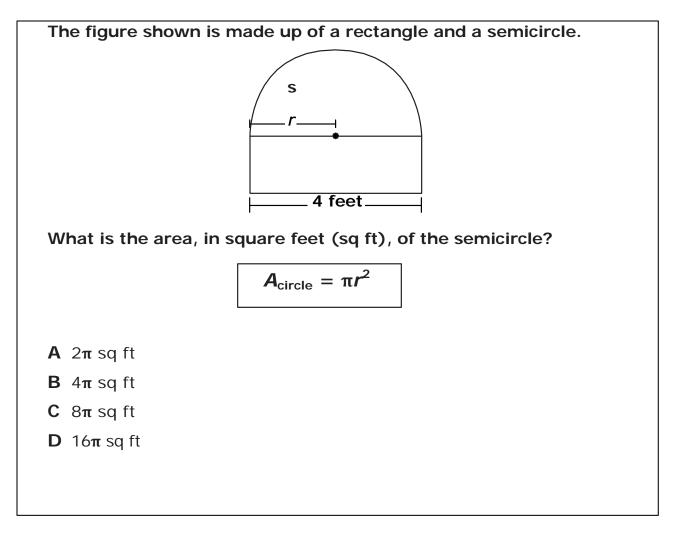
- A 50 meters
- B 100 meters
- **C** 200 meters
- D 400 meters

Primary Process Standard: 7M4.1 Depth of Knowledge: 3 Correct Answer: A

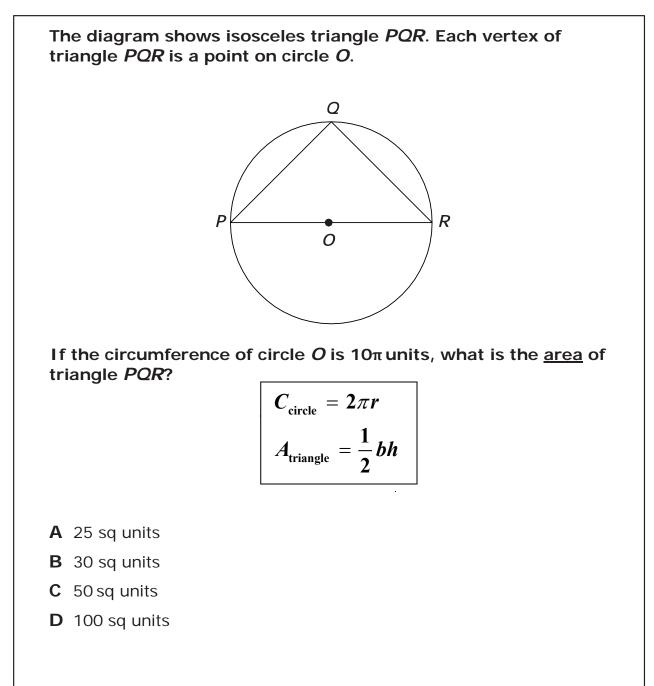


Oklahoma Academic Standards 4.3 Sample Test Items:

Primary Process Standard: 7M4.2 Depth of Knowledge: 3 Correct Answer: A



Primary Process Standard: 7M3.4 Depth of Knowledge: 3 Correct Answer: A

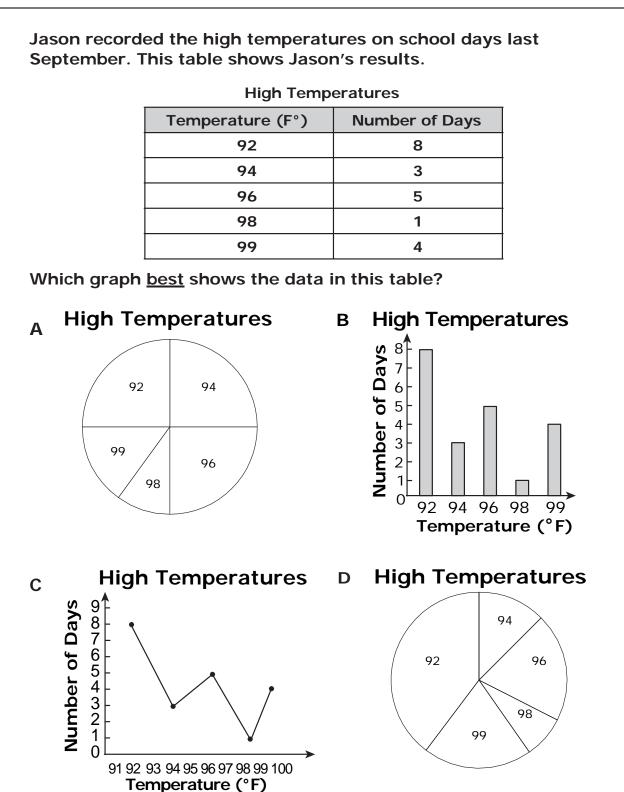


Oklahoma Academic Standards 5.1 Sample Test Items:

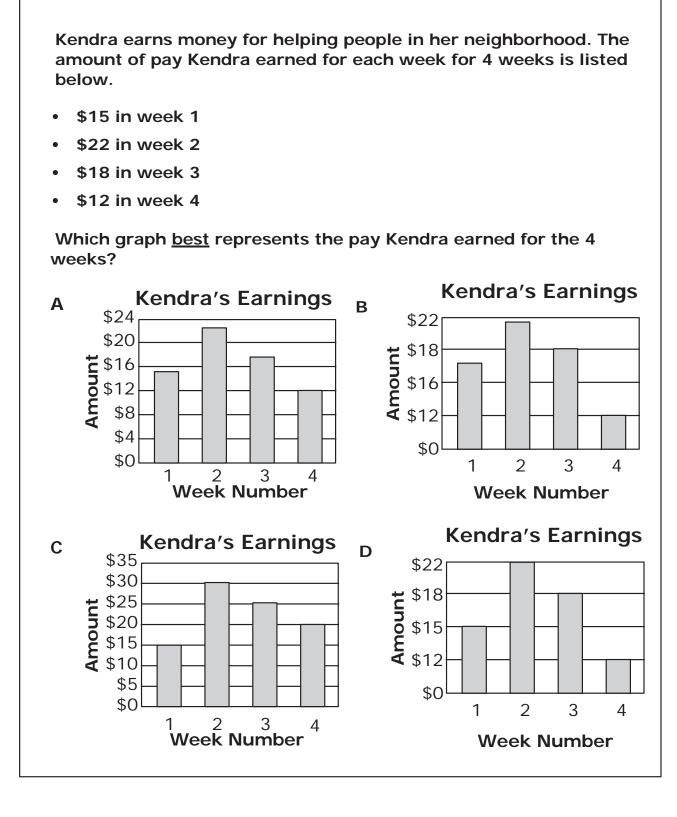
Primary Process Standard: 7M5.1 Depth of Knowledge: 1 Correct Answer: B

A group of seventh graders were surveyed about their favorite night to watch TV. This table shows the results of the survey. **TV Viewing** Night **Percent Favoring** Monday 50% Tuesday 10% Wednesday 10% Thursday 25% 5% Friday Which graph shows the information from the table? **TV Viewing** В **TV Viewing** Α Fri 5% Fri. Mon. 5% 50% Thurs. 25% Mon. Thurs. Tues. 50% 10% 25% Wed. 10% Wed. Tues 10% 10% **TV Viewing TV Viewing** С D Fri. Fri. 5% 5% Thurs Thurs. 25% 25% Mon. Mon. 50% Wed. 50% 10% Wed. Tues. 10% Tues. 10% 10%

Primary Process Standard: 7M5.1 Depth of Knowledge: 2 Correct Answer: B



Primary Process Standard: 7M5.1 Depth of Knowledge: 2 Correct Answer: A



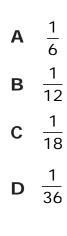
Oklahoma Academic Standards 5.2 Sample Test Items:

Primary Process Standard: 7M5.3 Depth of Knowledge: 2 Correct Answer: C

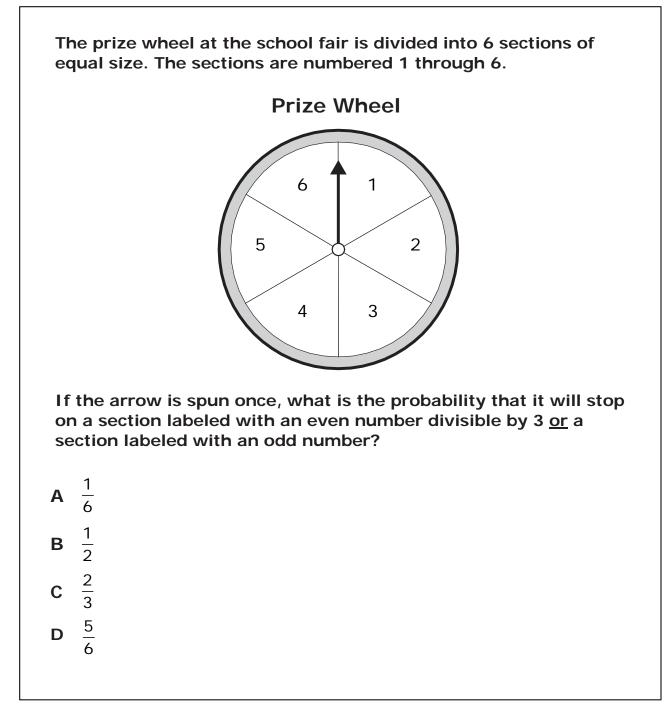
	1 out of 9 cords is a winner!
	1 out of 8 cards is a winner!
ame card?	obability that Norma did <u>not</u> receive a winning
9	
•	
A 8% B 12.5%	
A 8%	

Primary Process Standard: 7M3.4 Depth of Knowledge: 2 Correct Answer: D

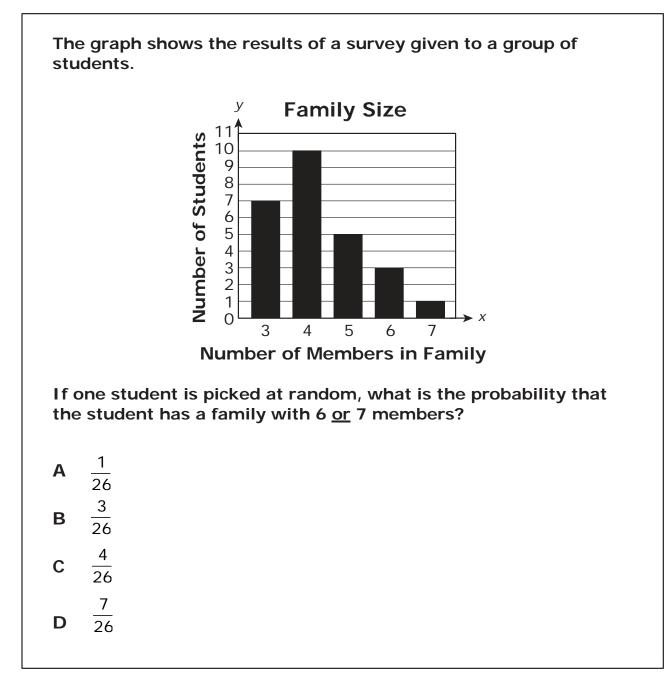
> As part of a probability experiment, Susannah rolled two fair number cubes, one after the other. Each cube had its faces numbered 1 through 6. What is the probability that the first cube landed on 5 <u>and</u> the second cube landed on 6?



Primary Process Standard: 7M1.3 Depth of Knowledge: 2 Correct Answer: C

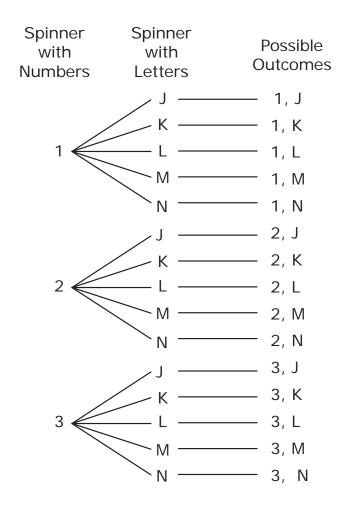


Primary Process Standard: 7M5.4 Depth of Knowledge: 2 Correct Answer: C



Primary Process Standard: 7M5.4 Depth of Knowledge: 2 Correct Answer: B

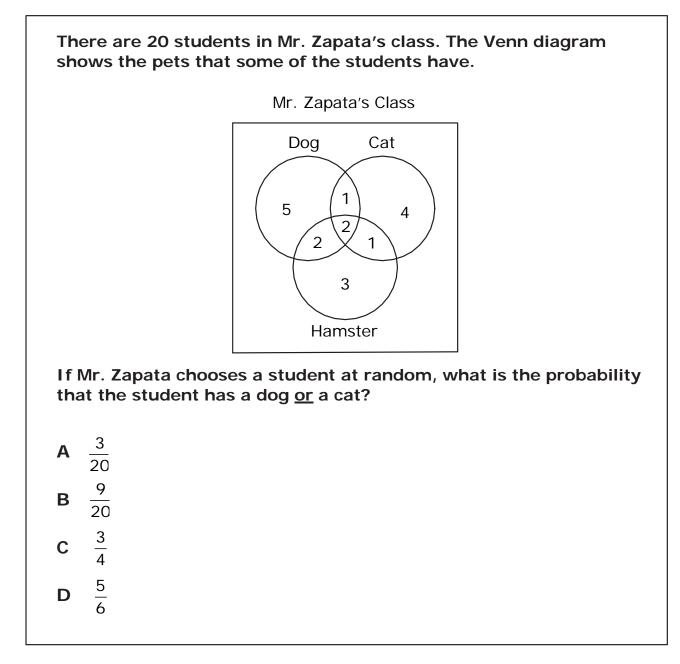
Pam is playing a game with two spinners. One spinner has 3 sections of equal size, each labeled with a number 1 through 3. The other spinner has 5 sections of equal size, each labeled with a letter J through N. She drew this tree diagram to show the possible outcomes.



What is the probability of the arrow on either spinner landing on a 2 <u>or</u> a K on the next spin?

Α	$\frac{1}{5}$	В	7 15
С	$\frac{1}{3}$	D	<u>5</u> 6

Primary Process Standard: 7M5.4 Depth of Knowledge: 2 Correct Answer: C



Oklahoma Academic Standards 5.3 Sample Test Items:

Primary Process Standard: 7M3.1 Depth of Knowledge: 2 Correct Answer: B

18, 22, 20, 17, 28 If the number 21 is added to this set of data, how is the mean affected? **A** The mean increases by 1. **B** The mean remains the same. **C** The mean decreases by 1. **D** The mean becomes the same as the mode. Primary Process Standard: 7M3.4

Depth of Knowledge: 2 Correct Answer: B

Lin's first 4 quizzes had a mean score of 80%. If he scores 100% on his next quiz, what will be his mean quiz score for these 5 quizzes?

- **A** 82%
- **B** 84%
- **C** 86%
- **D** 90%

Primary Process Standard: 7M3.3 Depth of Knowledge: 2 Correct Answer: D

There are 5 students in Tamika's chorus group. The median score made by the group on the last test was 85. The scores for 4 students are shown.

85, 80, 95, 80

What could have been the score for the 5th student?

A 70

B 75

C 80

D 90

Primary Process Standard: 7M3.2 Depth of Knowledge: 3 Correct Answer: C

		Meals Sold Graders	
	Day	Number of Meals	
	Monday	64	
	Tuesday	71	
	Wednesday	73	
	Thursday	60	
	Friday	?	
many meals dic	mber of meals so I the cafeteria se	-	s was 69, how
A 67 meals			
 A 67 meals B 69 meals C 77 meals 			