

Practice Test

**Test
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Mrs. Santiago has 3 pink dresses, 2 yellow dresses, 1 black dress, and 4 multicolored dresses. She has 7 black pairs of shoes and 3 white pairs of shoes. If she randomly selects one dress and one pair of shoes, what is the probability, as a percent, that she will select a multicolored dress and a black pair of shoes?

- (A) 7%
- (B) 28%
- (C) 40%
- (D) 70%

24

Find the value of the expression.
Express your answer as a fraction
in simplest form.

$$\frac{1}{2} \left(\frac{3}{10} - \frac{1}{5} \right) + \frac{3}{20}$$

	⊘	⊘	⊘	
⊙	⊙	⊙	⊙	⊙
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

GO ON 

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The weight and cost of different amounts of cherries is shown below.

Cherries (lbs.)	Cost (\$)
1	\$9.00
2.5	\$22.50
5	\$45.00
7.5	\$67.50
10	\$90.00


Which best describes the change in cost?

- (A) The cost doubles for every pound.
- (B) The cost decreases for every pound.
- (C) The cost increases by a rate of \$9.00 per pound.
- (D) The cost increases at a rate of \$4.50 per pound.

26

If $c = 11$, what is the value of $3c + 17 \div 10 + 14$?

	⊘	⊘	⊘	
⊙	⊙	⊙	⊙	⊙
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

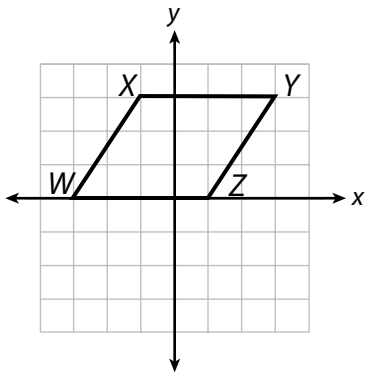


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What is the area, in square units, of parallelogram $WXYZ$?



- (A) 8 units²
- (B) 9 units²
- (C) 12 units²
- (D) 16 units²

28

The Celi family is having a barbeque. To make hamburgers, they bought 12 pounds of ground beef, which cost them \$56.16. What is their unit cost in dollars per pound?

- (F) \$4.68
- (G) \$5.62
- (H) \$7.99
- (J) \$9.36

29

Leila spent 25% of her time on Sunday practicing her pitching for the big softball game on Wednesday. Which fraction of her free time did Leila spend practicing her pitching?

- (A) $\frac{1}{5}$
- (B) $\frac{1}{4}$
- (C) $\frac{1}{3}$
- (D) $\frac{1}{2}$

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Consider the inequality below.

$$6n + 13 < 37$$

Part A

Solve the inequality for n . Express your answer as an inequality, and also graph the inequality.

Part B

- Use what you know about solving inequalities to explain how you determined and graphed the solution to the inequality above. Use words, numbers, and/or symbols in your explanation.
- Suppose that the original inequality was instead $n + 13 \leq 37$. How would that change the graph of the inequality? Explain the change using words, numbers, and/or symbols.

