

MATHEMATICS

Grade 5

2011 Released Test Questions

These released questions represent selected TEKS student expectations for each reporting category. These questions are samples only and do not represent all the student expectations eligible for assessment.

- 1 Ramón read $3\frac{7}{8}$ books that were on his reading list. Which of the following improper fractions is equivalent to $3\frac{7}{8}$?

A $\frac{29}{8}$

B $\frac{31}{8}$

C $\frac{24}{8}$

D $\frac{18}{8}$

2 Adam is 4.5 feet tall. He is 0.75 foot taller than his brother Mark. How tall is Mark?

- A 3.25 ft
 - B 4.25 ft
 - C 3.75 ft
 - D 5.25 ft
-

3 Mr. Cantú will put 1 flag on each table in the cafeteria for a school event. The cafeteria has 15 rows with 5 tables in each row and 12 rows with 4 tables in each row. Mr. Cantú already has 94 flags. How many more flags does he need to buy?

- A 48
 - B 19
 - C 27
 - D 29
-

4 An employee at a video store worked a total of 90 hours in 3 weeks. She worked 5 days a week. If she worked the same number of hours a day, how many hours did the employee work each day?

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

- 5 A delivery truck is carrying 80 televisions in individual boxes. Each box weighs between 26 and 37 pounds. Which of the following is a reasonable estimate of the total weight of the boxes?
- A 2,500 pounds
 - B 880 pounds
 - C 3,400 pounds
 - D 5,000 pounds
-

- 6 Connie is preparing for a spelling bee. She wants to study the same number of words each week. The table below shows the number of words she plans to have studied by the end of different numbers of weeks.

Connie's Study Plan

Week	Total Number of Words
1	20
3	60
7	140
9	180

Based on this information, which of the following statements is true?

- A The total number of words studied will be 20 times the number of weeks.
- B The total number of words studied will be 20 more than the number of weeks.
- C The total number of words studied will be 40 more than the number of weeks.
- D The total number of words studied will be 40 times the number of weeks.

7 Reba is planning a dinner for 24 people. She wants to make 3 tacos for each person. Taco shells are sold in packages of 12. Which of the following equations can be used to find p , the number of packages of taco shells needed for the dinner?

A $(24 \times 3) \div 12 = p$

B $(24 \div 3) \times 12 = p$

C $(24 \times 3) \times 12 = p$

D $(24 \div 3) + 12 = p$

8 Which of the following statements does **NOT** describe a cube?

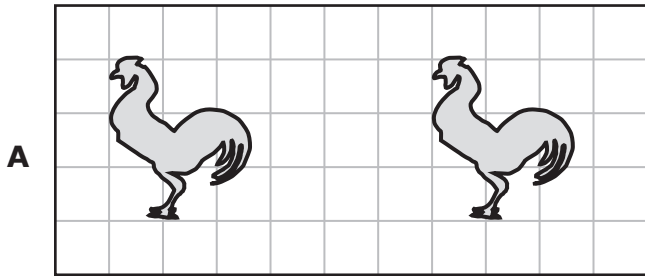
A It has 6 congruent faces.

B It has both parallel and perpendicular edges.

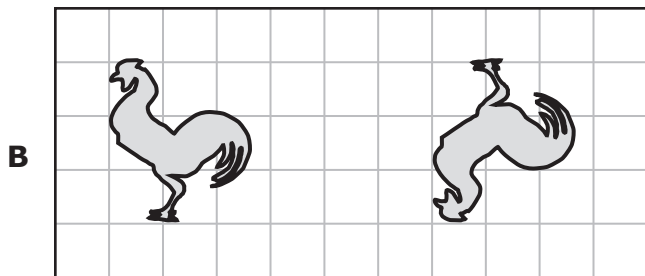
C It has 8 vertices.

D It has both acute and right angles.

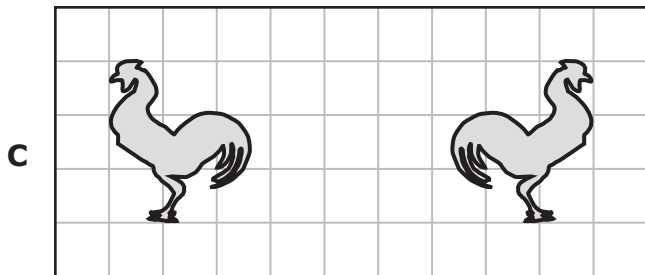
9 Which picture shows a single transformation labeled correctly?



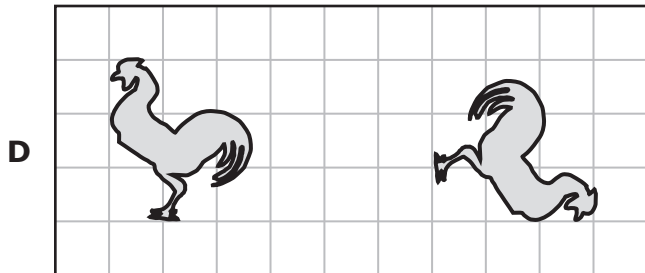
Reflection



Rotation



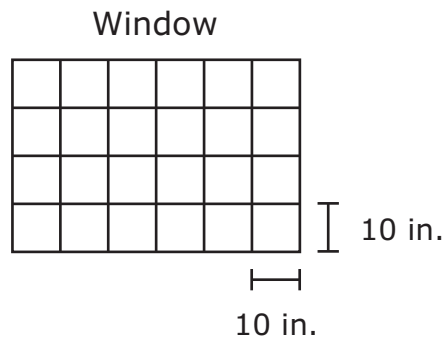
Reflection



Rotation

- 10** Mrs. Evans wants to buy enough dog food to feed her dog for 90 days. Her dog eats 4 ounces of dog food twice a day. How many pounds of dog food should she buy?
- A** 15 lb
 - B** 45 lb
 - C** 23 lb
 - D** 12 lb

- 11** The diagram below shows the number of congruent sections in a window. The length and width of one section are labeled in inches.



What is the total area of the window?

- A** 2,400 square inches
- B** 600 square inches
- C** 400 square inches
- D** 1,000 square inches

- 12** Emilio has a bag containing different-colored buttons. He randomly selects a button from the bag, records its color, and puts it back. The table below shows his results after selecting 32 buttons from the bag.

Buttons

Color	Number of Buttons
Purple	8
Orange	4
Brown	16
Green	4

Based on these results, which of the following is the most reasonable prediction of the number of orange buttons Emilio will select from the bag in his next 64 tries?

- A** 4
- B** 8
- C** 32
- D** 16

13 The table below shows the amount of money that 10 people spent on a field trip.

Field Trip

Person	Amount Spent
K	\$5
L	\$8
M	\$11
N	\$8
P	\$3
Q	\$2
R	\$4
S	\$6
T	\$9
U	\$8

What was the median amount of money spent by these people?

- A** \$3
- B** \$9
- C** \$8
- D** \$7

Item Number	Reporting Category	Readiness or Supporting	Content Student Expectation	Process Student Expectation	Correct Answer
1	1	Supporting	5.2(B)		B
2	1	Readiness	5.3(A)	5.14(A)	C
3	1	Readiness	5.3(B)	5.14(B)	D
4	1	Readiness	5.3(C)	5.14(B)	6
5	1	Supporting	5.4(A)	5.14(B)	A
6	2	Readiness	5.5(A)	5.15(A)	A
7	2	Supporting	5.6(A)	5.15(B)	A
8	3	Supporting	5.7(A)	5.16(A)	D
9	3	Readiness	5.8(A)		C
10	4	Supporting	5.10(A)	5.14(B)	B
11	4	Readiness	5.10(C)	5.14(B)	A
12	5	Readiness	5.12(B)	5.14(A)	B
13	5	Readiness	5.13(B)		D

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