



MIXED REVIEW FOR TEKS



TAKS PRACTICE
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Lessons 1.5–1.7

MULTIPLE CHOICE

1. **PAINTING** You are painting a room in a neighborhood recreation center. You need to cover a total area of 1080 square feet. The paint you choose is available only in 1 quart containers that each cover about 110 square feet. Each quart of paint costs \$6. How much will it cost to give the entire area a single coat of paint? **TEKS A.4.A**

- (A) \$54 (B) \$58
(C) \$60 (D) \$66

2. **ROAD TRIP** Your family is taking a 250 mile road trip. The first 220 miles of the trip are on highways, where your average speed is 55 miles per hour. The rest of the trip is on local roads, where your average speed is 30 miles per hour. How much time does your family spend driving? **TEKS a.4**

- (F) 5 h (G) 5 h 30 min
(H) 6 h (J) 6 h 30 min

3. **DANCE** You pay \$50 to attend dance camp. You pay \$5 for transportation each day.

Which of the following expresses the total cost C (in dollars) as a function of the number of days d that you attend camp?

TEKS A.1.C

- (A) $C = 50 + 5d$
(B) $C = 5 + 50d$
(C) $C = 55d$
(D) Not here

4. **POSTERS** A store sells sets of 1, 2, 3, or 5 posters. For each set, the price (in dollars) is \$2 more than twice the number of posters. Which of the following is a possible price for a set of posters? **TEKS A.4.A**

- (F) \$7 (G) \$9
(H) \$10 (J) \$12

5. **CAR WASH** Your class is planning a car wash. You need \$75 worth of materials and plan to charge \$5 per car. Which of the following is a verbal model for your class's profit? **TEKS A.1.C**

- (A)

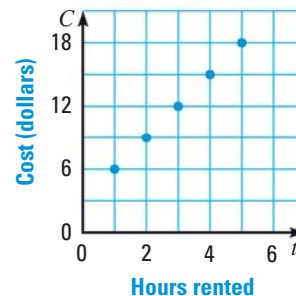
Cost of materials	+	Charge per car	•	Number of cars washed
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- (B)

Cost of materials	–	Charge per car	•	Number of cars washed
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- (C)

Charge per car	•	Number of cars washed	–	Cost of materials
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- (D)

Charge per car	+	Number of cars washed	–	Cost of materials
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6. **ROLLERBLADING** The graph shows the cost (in dollars) of renting rollerblades as a function of the number of hours they are rented. Which of the following is a rule for the function? **TEKS A.1.D**



- (F) $t = C - 5$ (G) $C = 3t + 6$
(H) $C = 6t$ (J) $C = 3t + 3$

GRIDDED ANSWER 0 1 2 3 4 5 6 7 8 9

7. **ROOM TEMPERATURE** You consider 68°F to be a comfortable room temperature. If the temperature in the room is 18°C, how many degrees Celsius should you raise the temperature so that it will be 68°F? **TEKS a.4**

