

LESSON

1-3

Problem Solving**Multiplying and Dividing Real Numbers**

Write the correct answer.

- Jane's grade point average changed by -0.16 points each term. How much did her grade point average change after 4 terms?

- Isari's recipe for strawberry smoothies requires $\frac{1}{2}$ cup of sliced strawberries per smoothie. How many smoothies can she make using 8 cups of strawberries?

- The value of an investor's stock changed by $-1\frac{3}{4}$ points last week. This week, the value changed by 3 times as much. How much did the value of the investor's stock change this week?

- Jogging on pavement burns 13 calories per minute. Jogging on grass burns 1.07 times as many calories per minute. How many calories would you burn by jogging on grass for 5 minutes? (Round your answer to the nearest tenth.)

Use the table below for exercises 5 – 7, which shows the cost of three different types of season tickets during the Dallas Cowboys 2005 season. Select the best answer.

- How much money was spent on Upper Level Sideline season tickets in 2005 if 2500 fans bought Upper Level Sideline season tickets?
A \$1,315,000 C \$1,757,500
B \$1,550,000 D \$1,825,000
- Tom and his two brothers gave their father two Upper Level Far Corner season tickets as a gift. If the brothers shared the cost equally, how much did each one pay towards the gift?
F \$163 H \$327
G \$245 J \$980
- If sales of Upper Level Corner season tickets totaled \$1,116,000, how many Upper Level Corner season ticket holders were there?
A 1529 C 2278
B 1800 D 6919

2005 Season Tickets	
Seat Location	Cost
Upper Level Sideline	\$730
Upper Level Corner	\$620
Upper Level Far Corner	\$490

- Four friends bought a pair of Upper Level Sideline season tickets. If they shared the cost equally, how much did each pay?
F \$122.50 H \$310
G \$182.50 J \$365