

Math 7– Chapter-1 Practice test

SCORE _____

Be sure to show your work on each question.

1. What is the unit rate if there are 92 miles driven using 4 gallons of gas?

1. _____

2. What is the **Constant Rate of Change** of the table below?

2. _____ miles per hour

Hours	2	4	6	8
Miles	70	140	210	280

3. What is the value of y in the proportion $\frac{3}{16} = \frac{9}{y}$?

3. _____

4. Which size package of pasta shown in the table has the lowest unit price?

Size (oz)	Cost (\$)
3	0.99
8	2.59
16	5.59
32	11.89

4. _____

5. The table shows the cost for ordering a certain number of pies. What is the value of x if the cost is proportional to the number of pies ordered?

5. _____

Pizzas Ordered	2	3	4	5
Cost	\$14.50	\$21.75	\$29.00	x

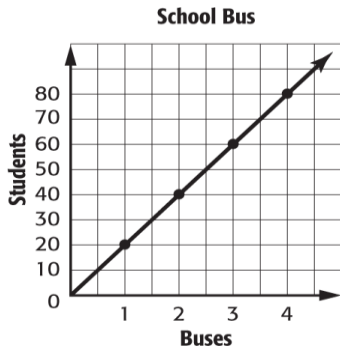
6. What is the **Constant Rate of Change** of the linear function?

6. _____

Game, x	3	4	5	6
Score, y	24	32	40	48

7. What is the **Constant Rate of Change** of the graph below?

7. _____ students per bus



8. What is the unit rate for \$120 for 8 hours?

8. _____

9. What is the unit rate for 8 glasses of water every 24 hours?

9. _____

10. The table shows the cost for ordering a certain number of tacos. What is the value of x if the cost is proportional to the number of tacos ordered?

10. _____

Tacos Ordered	2	3	4	6
Cost	\$2.60	\$3.90	\$5.20	x

11. Sanjay can travel 342 miles in 6 hours. At this rate, how far can he travel in 5 hours?

11. _____

12. What is the **Slope** of the line?

12. _____

