

Test, Form 2A

SCORE _____

Write the letter for the correct answer in the blank at the right of each question.

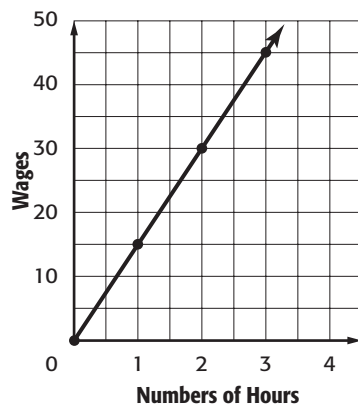
1. What is the constant rate of change of the table below?

Seconds	10	20	30	40
Meters	40	80	120	160

- A. 2 meters per second C. 8 meters per second
B. 4 meters per second D. 10 meters per second

1. _____

2. What is the slope of the line?



- F. 15 H. 25
G. 18 I. 30

2. _____

3. Selena babysits on the weekends. The equation $y = 12x$ represents the amount of money she earns. What is the constant of proportionality?

- A. 1 C. 12
B. 6 D. 24

3. _____

4. What is the solution of the proportion $\frac{22}{11} = \frac{r}{13}$?

- F. 26 G. 18 H. 6.5 I. 3.18

4. _____

5. Which size can of soup shown in the table has the lowest unit price?

- A. 10 oz C. 18 oz
B. 15 oz D. 32 oz

Size (oz)	Cost (\$)
10	0.79
15	1.29
18	2.16
32	3.19

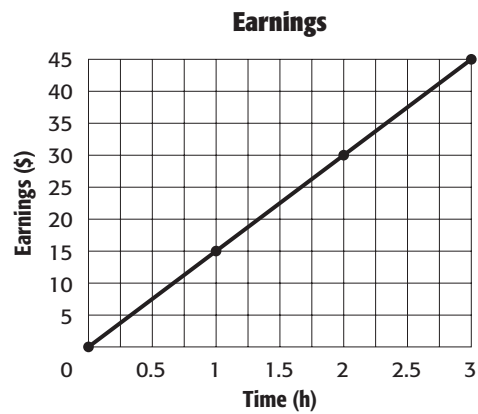
5. _____

6. Cyclists were $\frac{3}{4}$ finished with their ride when they reached the 18-kilometer mark. How long was their ride?

- F. 6 km G. 12 km H. 18 km I. 24 km

6. _____

8. The graph shows the amount of money Joe earns each hour he works. Which statement about the graph is *not* true?



- F. The graph shows a proportional relationship.
- G. The graph shows a nonproportional relationship.
- H. The unit rate is $\frac{\$15}{\text{hour}}$.
- I. The line is straight.
9. The table shows the cost for ordering a certain number of pieces of chicken. What is the value of x if the cost is proportional to the number of chicken pieces ordered?

Pieces of Chicken Ordered	2	3	4	6
Cost	\$3.00	\$4.50	\$6.00	x

10. If it takes 4 gallons of gas to drive 92 miles, how many miles can be driven using 6 gallons of gas?
11. Martin can travel 174 miles in 3 hours. At this rate, how far can he travel in 7 hours?
12. Bart can type 296 words in 8 minutes. At this rate, how many words can he type in 20 minutes?

8. _____

9. _____

10. _____

11. _____

12. _____