Words Olli 4 3100 Colde	
7 min	
Colby can type 93 words in 3 minutes. His friend Brayden can type 150 words in 5	
minutes. Using ratios, find the unit rate of how much each boy can type in one minutes.	ute.
minutes. Using railos, find the offit rate of flow floor oder 307 331.	

Colby types	31	words per minute
Brayden types_	30	words per minute \rightarrow 150 . \rightarrow 30
		9 150 ÷5 → —
		5

2. Amanda and Lindsey are both looking for part time jobs after school. Amanda finds a job working 16 hours a week where she will earn \$120.00 a week. Lindsey's job will pay her \$144.00 a week for working 18 hours. Calculate the unit rate for both Amanda and Lindsey.

- 3. Marley is building her little brother a sandbox that is 6 feet by 6 feet in their backyard. She figures she needs 100 pounds of sand to fill the box. When she goes to the store, she finds that sand comes in either 20 pound bags for \$4.50 or 25 pound bags for \$6.00.
 - A) What is the unit rate per pound for each bag of sand? Show all your work and round to the nearest cent.

pound

Unit rate per pound for 20 pound bags 23° per pound

Unit rate per pound for 25 pound bags 24° per pound

Unit rate per pound for 25 pound bags 24° per pound

B) What deal is better for Marley to buy? How many bags will she need to buy? Explain your answer.

The 2016-bag because 23¢ is less than 24¢ 10016 ÷ 2016 = 5 bags

4. Madison is going to buy a new vehicle. She is trying to decide between a minivan or a SUV. She wants a vehicle that gets good gas mileage. The sales manager gave her the following information on each vehicle.

Mini	van
Gallons	Miles
4	76
8	152

SUV					
Gallons	Miles				
6	90				
12	180				

Calculate the unit rate for each vehicle. Which one gets the best gas mileage?

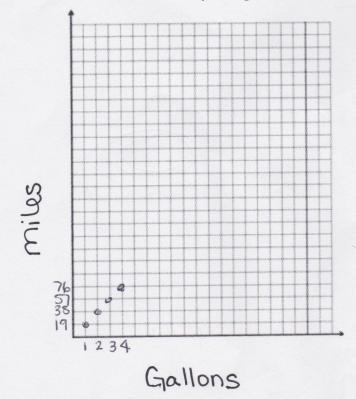
Unit Rate for the Mini Van 19 miles per gal

Unit Rate for the SUV 15 miles per gal

Best Gas Mileage minivan

5. Create a graph displaying the information above for the best gas mileage. Be sure to label each axis and give the graph a title.

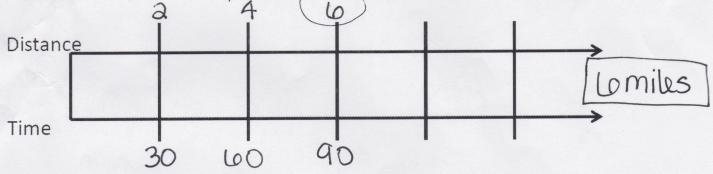
minivan miles pergallon



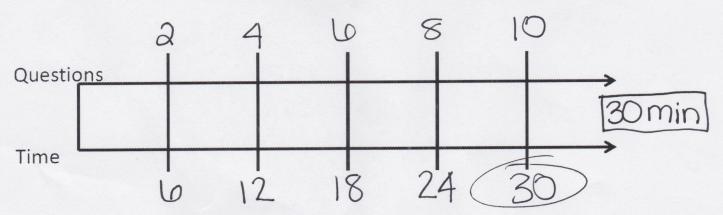
Assume each of the following ratio tables represent equivalent ratios. Fill in the missing values.

10).		11	.,		1	2.	
x2/	4	3	\÷2	10	11		13	15
(8	6 .)	20	22		26	30
	12	9		30	33		39	45
	16	12		40	44		52	60
	20	15		. 50	55		65	75

7. The physical education teachers took their classes to the track. Allie walked 2 miles in 30 minutes. If she continues at this pace, how many miles will she walk in 90 minutes? Complete the double number line to represent the information.

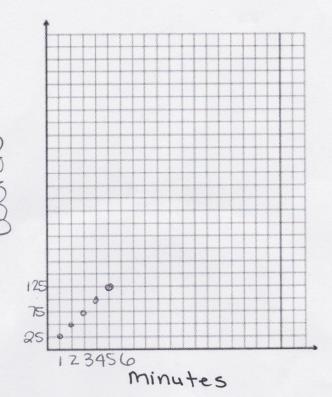


8. When taking a reading test, Amanda can complete 2 questions 6 minutes. How long will it take Amanda to complete the test if there are 10 questions on the test?



19. Caroline can type 100 words in 4 minutes. Complete the table below. Determine the ordered pairs, create and label the graph to display your data.

Minutes	Words	Ordered Pairs
١	25	(1,25)
2,	50	(2,50)
3	75	(3,75)
4	100	(4,100)
5	125	(5,125)
6	150	(6,150)



10. What is $\frac{20\% \text{ of } 80\%}{20}$ reduce $\frac{20\div10}{100\div10}$ rewrite $\frac{2}{10}$ $\frac{2}{50}$ = 16

 $\frac{40}{100} \frac{6 \text{ is } 40\% \text{ of what number?}}{\text{reduce } \frac{40 \div 20}{100 \div 20} \frac{2}{5} \text{ rewrite } \frac{2 \times 3^{3} \text{ lo}}{5} = 15$ 12. What is 60% of 120?

100

13. Mrs. Lambert grades 6 essays in 2 hours. How many essays can be graded in 15 hours?

14. The music teacher at West Creek Middle can clean 4 instruments in 2 hours. How long will it take her to make 40 instruments?