Unit 2: Ratios and Proportional Reasoning Study Guide

- Name_Kll9___P_
- 1. Write an equivalent ratio to 2:3. 6:9
- 2. The ratio of boys to girls in a class is 3:4. If there are 42 students in the class, how many are boys? 24b045
- 3. Write the rate as a unit rate: \$48 for 4 tickets. 12 particket
- 4. Joe drove 215 miles in 3 hours. Moe drove 240 miles in 4 hours. Who drove at the fastest rate of speed? _Joe___

How fast was each person driving? Joe 71.67 Moe 60

5. Each table below represents a proportional relationship. Complete the tables by filling in the missing values.

×	y
2	3
4	6
6	q
8	12
8 10	15

×	У
1	5
5	25
6	30
30	150 225
45	225

×	y
3	4
-21	28
6	8
12	16
9	12

×	y
2	7
8	28
12	42
16	56
18	63

6,. The prices of 4 different bottles of shampoo are given in the table. Which bottle size is the best value? 1502 ÷24

	Size	Price
	24 oz.	\$450
3	15 oz	\$2.30
:	8 oz.	\$1.60
o	4 oz.	\$0.95

Works William Astern 2

C.在这里的一种工作工作。2011年

7. Determine the missing value.
$$\frac{16}{20} =$$
 $X = 144$

8. The table below shows the number of each item sold at the concession stand. What might the ratio 3:2 represent?

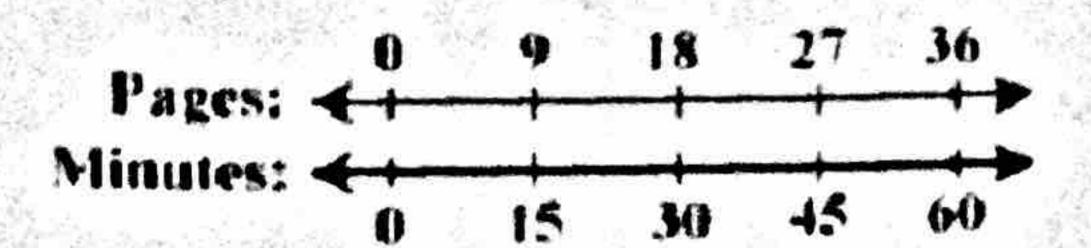
Candy bar to popcom

yet as lot the tables by

ltem	Quantity Sold
Popcorn	20
Nachos	15
Hot Dog	25
Candy Bar	30

- 9. Using the same table above, what is the ratio of hot dogs to popcorn? 5:4
- 10. What is the ratio of Nachos to all food items? 10 to 6

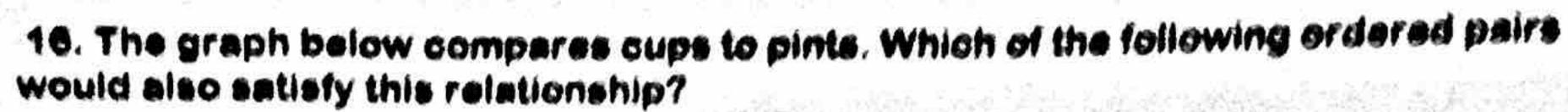
Use the double number line below to answer questions 15-18.

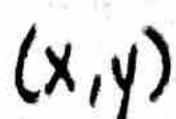


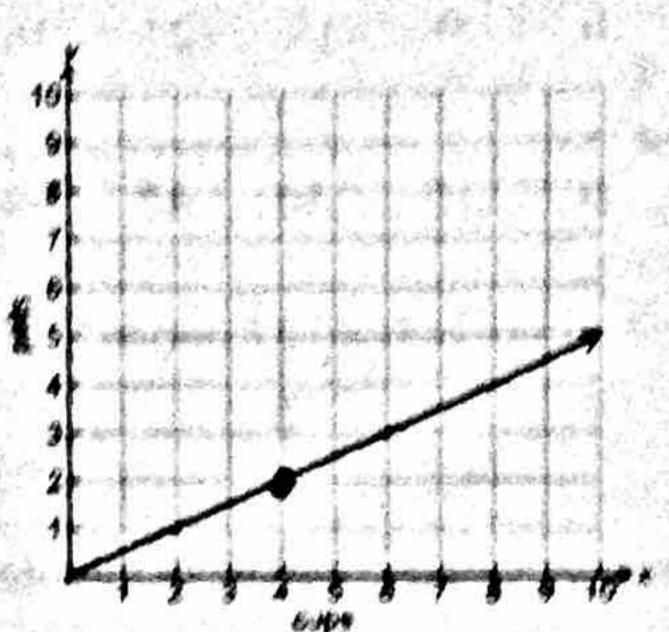
- 11. How long will it take to read 27 pages? 45 min
- 12. How many pages can be read in 15 minutes? 9 pages
- 13. How long will it take to read 90 pages? _______ 150 min

15. The table below shows the cost of varying number of books. If the relationship stays the same, determine the value of n.

Number of Books	Cost
3 . 8	\$24
5 . 8	\$40
12 .8	\$96
20 . 8	







B. (2,4)

20. Ann deposits 20% of her earning each week into her savings account. If she deposited \$17 this week, how much did she earn?

$$\frac{17}{X} = \frac{20}{100}$$

21. If 1 inch is approximately 2.54 centimeters, about how many centimeters are equal

in length to 1 foot? 30.45 cm. 12 in