



Proportions - word problems

Answer each question and round your answer to the nearest whole number.

- 1) If you can buy one package of fresh chives for \$2 then how many can you buy with \$16?
- 2) Carlos took a trip to Moldova. Upon leaving he decided to convert all of his Lei back into dollars. How many dollars did he receive if he exchanged 75 Lei at a rate of 25 Lei to \$2?
- 3) Dan took a trip to Kuwait. Upon leaving he decided to convert all of his Dinars back into dollars. How many dollars did he receive if he exchanged 49 Dinars at a rate of \$24 for every 7 Dinars?
- 4) Castel took a trip to the eastern Caribbean islands. Upon leaving he decided to convert all of his Eastern Caribbean Dollars back into dollars. How many dollars did he receive if he exchanged 22 Eastern Caribbean Dollars at a rate of \$4 to 11 Eastern Caribbean Dollars?

- 5) If you can buy two packages of raspberries for \$6 then how many can you buy with \$42?
- 6) Gabriella bought eight packages of blackberries for \$24. How many packages of blackberries can Nicole buy if she has \$6?
- 7) 22 bulbs of garlic cost \$8. How many bulbs of garlic can you buy for \$4?
- 8) A frame is 5 in wide and 7 in tall. If it is enlarged to a height of 35 in then how wide will it be?
- 9) A rectangle is 3 in tall and 1 in wide. If it is enlarged to a height of 24 in then how wide will it be?
- 10) A rectangle is 4 in tall and 20 in wide. If it is reduced to a height of 1 in then how wide will it be?

11) Jessica took a trip to Switzerland. Upon leaving she decided to convert all of her Francs back into dollars. How many dollars did she receive if she exchanged 33 Francs at a rate of \$9 for 11 Francs?

12) Julia took a trip to Bolivia. Upon leaving she decided to convert all of her Bolivianos back into dollars. How many dollars did she receive if she exchanged 40 Bolivianos at a rate of 8 Bolivianos for every \$1?

13) The money used in Egypt is called the Pound. The exchange rate is \$7 for 40 Pounds. Find how many Pounds you would receive if you exchanged \$14.

14) Jenny took a trip to Egypt. Upon leaving she decided to convert all of her Pounds back into dollars. How many dollars did she receive if she exchanged 68 Pounds at a rate of \$6 = 34 Pounds?

15) If you can buy two packages of raspberries for \$6 then how many can you buy with \$48?

16) If you can buy seven bags of yellow onions for \$13 then how many can you buy with \$39?

17) 21 honey tangerines cost \$15. How many tangerines can you buy for \$5?

18) Seven mangos cost \$6. How many mangos can you buy for \$18?

19) A frame is 5 in wide and 6 in tall. If it is enlarged to a width of 30 in then how tall will it be?

20) A rectangle is 24 in tall and 48 in wide. If it is reduced to a height of 1 in then how wide will it be?

21) Ndiba enlarged the size of a rectangle to a height of 44 in. What is the new width if it was originally 4 in tall and 3 in wide?

22) Krystal enlarged the size of a rectangle to a height of 5 in. What is the new width if it was originally 1 in tall and 2 in wide?

23) Rob was planning a trip to Saudi Arabia. Before going, he did some research and learned that the exchange rate is 19 Riyals for every \$5. How many Riyals would he get if he exchanged \$10?

24) The money used in Saudi Arabia is called the Riyal. The exchange rate is $\$2 = 7$ Riyals. Find how many dollars you would receive if you exchanged 35 Riyals.

25) If you can buy 30 plantains for \$15 then how many can you buy with \$5?

26) 24 jars of crushed ginger cost \$48. How many jars can you buy for \$12?

27) 18 Fuji apples cost \$12. How many Fuji apples can you buy for \$4?

28) Arjun bought four bunches of seedless black grapes for \$10. How many bunches can Sarawong buy if he has \$5?

29) A frame is 14 in wide and 49 in tall. If it is reduced to a width of 2 in then how tall will it be?

30) Pranav enlarged the size of a rectangle to a width of 50 in. What is the new height if it was originally 5 in wide and 3 in tall?

Answers to Proportions - word problems

- | | | | |
|---------------|-----------|---------------|----------|
| 1) 8 | 2) \$6 | 3) \$168 | 4) \$8 |
| 5) 14 | 6) 2 | 7) 11 | 8) 25 in |
| 9) 8 in | 10) 5 in | 11) \$27 | 12) \$5 |
| 13) 80 Pounds | 14) \$12 | 15) 16 | 16) 21 |
| 17) 7 | 18) 21 | 19) 36 in | 20) 2 in |
| 21) 33 in | 22) 10 in | 23) 38 Riyals | 24) \$10 |
| 25) 10 | 26) 6 | 27) 6 | 28) 2 |
| 29) 7 in | 30) 30 in | | |