Proportion Word Problems

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

1) A rectangle is 2 in tall and 3 in wide. If it is enlarged to a width of 12 in, then how tall will it be?

2) Shayna took a trip to Tonga. Upon leaving she decided to convert all of her Pa'anga back into dollars. How many dollars did she receive if she exchanged 10 Pa'anga at a rate of $1 for every 2 Pa'anga?

3) The currency in Bolivia is the Boliviano. The exchange rate is approximately 8 Bolivianos = $1. At this rate, how many Bolivianos would you get if you exchanged $3?

4) One tub of dried blueberries costs $8. How many tubs can you buy for $24?

5) A painting is 6 in wide and 8 in tall. If it is reduced to a width of 3 in, then how tall will it be?

6) Huong bought one package of blackberries for $3. How many packages can Shayna buy if she has $15?

7) If you can buy one package of strawberries for $3, then how many can you buy with $6?

8) The currency in the United Arab Emirates is the Dirham. The exchange rate is approximately 4 Dirhams for every $1. At this rate, how many dollars would you get if you exchanged 16 Dirhams?

9) DeShawn enlarged the size of a painting to a width of 3 in. What is the new height if it was originally 3 in tall and 1 in wide?

10) If you can buy one bunch of seedlees green grapes for $2, then how many can you buy with $20?

11) The money used in Bolivia is called the Boliviano. The exchange rate is $1 for every 8 Bolivianos. Find how many Bolivianos you would receive if you exchanged $3.

12) The currency in Jordan is the Dinar. The exchange rate is approximately 4 Dinars for every $6. At this rate, how many dollars would you get if you exchanged 12 Dinars?

-2-

13) The currency in Kuwait is the Dinar. The exchange rate is approximately $17 for 5 Dinars. At this rate, how many dollars would you get if you exchanged 10 Dinars?

14) Carlos took a trip to China. Upon leaving he decided to convert all of his Yuan back into dollars. How many dollars did he receive if he exchanged 30 Yuan at a rate of $2 for 15 Yuan?

15) The currency in the eastern Caribbean islands is the Eastern Caribbean Dollar. The exchange rate is approximately 19 Eastern Caribbean Dollars = $7. At this rate, how many dollars would you get if you exchanged 38 Eastern Caribbean Dollars?

16) Two packages of cherry tomatoes cost $6. How many packages can you buy for $18?

17) Shayna took a trip to China. Upon leaving she decided to convert all of her Yuan back into dollars. How many dollars did she receive if she exchanged 16 Yuan at a rate of $1 for every 8 Yuan?

18) If you can buy 15 plums for $10, then how many can you buy with $2?

19) Elisa was planning a trip to Europe. Before going, she did some research and learned that the exchange rate is $12 for every 9 Euros. How many Euros would she get if she exchanged $36?

20) The currency in Oman is the Rial. The exchange rate is approximately $13 for 5 Rials. At this rate, how many Rials would you get if you exchanged $26?

21) Ndiba reduced the size of a photo to a height of 3 in. What is the new width if it was originally 15 in tall and 10 in wide?

22) A rectangle is 4 in tall and 6 in wide. If it is reduced to a width of 3 in, then how tall will it be?

23) A rectangle is 1 in tall and 3 in wide. If it is enlarged to a height of 6 in, then how wide will it be?

24) A triangle is 12 in wide and 6 in tall. If it is reduced to a height of 2 in, then how wide will it be?

25) Daniel enlarged the size of a rectangle to a width of 6 in. What is the new height if it was originally 2 in tall and 1 in wide?

Answer each question. Round your answer to the nearest tenth. Round dollar amounts to the nearest cent.

26) Mike bought 33 yellow potatoes for $14.85. How many potatoes can Matt buy if he has $4.95?

27) Ming reduced the size of a photo to a height of 3.9 in. What is the new width if it was originally 4.8 in wide and 11.7 in tall?

28) Julia reduced the size of a triangle to a width of 2.1 in. What is the new height if it was originally 10.5 in wide and 30 in tall?

29) A photo is 33 in tall and 5.5 in wide. If it is reduced to a width of 0.5 in, then how tall will it be?

30) 20 bunches of seedless green grapes cost $49.80. How many bunches can you buy for $12.45?

31) Sumalee bought seven Anjou pears for $5.50. How many pears can Stefan buy if he has $22?

32) A rectangle is 36 in wide and 46.4 in tall. If it is reduced to a height of 5.8 in, then how wide will it be?

33) Jaidee was planning a trip to Mexico. Before going, she did some research and learned that the exchange rate is 11.1 Pesos for $1. How many Pesos would she get if she exchanged $3.90?

34) Mei reduced the size of a frame to a width of 6 in. What is the new height if it was originally 16.8 in tall and 24 in wide?

35) Joe was planning a trip to Argentina. Before going, he did some research and learned that the exchange rate is 1 Peso for every $3.70. How many Pesos would he get if he exchanged $131.70?