Basic Pre-algebra Skill

Solving Proportion Word Problems

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

1) Totsakan enlarged the size of a photo to a height of 18 in. What is the new width if it was originally 2 in tall and 1 in wide?

2) A frame is 9 in wide and 6 in tall. If it is reduced to a width of 3 in then how tall will it be?

3) The money used in Saudi Arabia is called the Riyal. The exchange rate is 4 Riyals to $1. Find how many Riyals you would receive if you exchanged $5.

4) Jacob bought one bulb of elephant garlic for $2. How many bulbs can Stephanie buy if she has $12?

5) Natalie bought one bunch of fennel for $2. How many bunches can Stephanie buy if she has $6?

6) A triangle is 20 in tall and 5 in wide. If it is reduced to a width of 1 in then how tall will it be?

7) One bulb of elephant garlic costs $2. How many bulbs of elephant garlic can you buy for $14?

8) If you can buy one bunch of seedlees green grapes for $2 then how many can you buy with $18?

9) The currency in Sweden is the Kronor. The exchange rate is approximately $1 for every 7 Kronor. At this rate, how many dollars would you get if you exchanged 14 Kronor?

10) Totsakan bought one can of pineapple chunks for $2. How many cans can Stefan buy if he has $16?

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

12) A painting is 2 in tall and 3 in wide. If it is enlarged to a width of 15 in then how tall will it be?

13) A frame is 6 in tall and 8 in wide. If it is reduced to a width of 4 in then how tall will it be?

14) Castel bought one cantaloupe for $2. How many cantaloupes can Kathryn buy if she has $4?

15) Carlos bought one container of dried cherries for $7. How many containers can Stephanie buy if she has $14?

16) Mark reduced the size of a photo to a height of 4 in. What is the new width if it was originally 16 in tall and 8 in wide?

17) Perry bought one jar of sun-dried tomatoes for $4. How many jars of sun-dried tomatoes can Jennifer buy if she has $12?

18) Dan bought one package of blackberries for $3. How many packages can Darryl buy if he has $15?

19) The money used in South Africa is called the Rand. The exchange rate is 7 Rand for $1. Find how many dollars you would receive if you exchanged 21 Rand.

20) Kim 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 8 Yuan for $1?

21) The currency in Tajikistan is the Somoni. The exchange rate is approximately 3 Somoni = $1. At this rate, how many Somoni would you get if you exchanged $5?

22) If you can buy one bunch of asparagus for $2 then how many can you buy with $20?

23) The money used in Malaysia is called the Ringgit. The exchange rate is 4 Ringgits to $1. Find how many dollars you would receive if you exchanged 12 Ringgits.

24) The money used in Poland is called the Zlotych. The exchange rate is 3 Zlotych for every $1. Find how many Zlotych you would receive if you exchanged $3.

Answers to Solving Proportion Word Problems

1) 9 in
2) 2 in
3) 20 Riyals
4) 6
5) 3
6) 4 in
7) 7
8) 9
9) $2
10) 8
11) 24 Bolivianos
12) 10 in
13) 3 in
14) 2
15) 2
16) 2 in
17) 3
18) 5
19) $3
20) $2
21) 15 Somoni
22) 10
23) $3
24) 9 Zlotych