

Name: KEY Date: \_\_\_\_\_

### Triples Word Problems

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1. The sum of three numbers is 68. The second is 5 more than twice the first. The third is 4 times the first. Find the numbers.

1st = 9      2nd = 23      3rd = 36

2. The sum of three numbers is 6. The first minus the second is the third. The second is 2 more than twice the first. Find the numbers.

1st = 3      2nd = 8      3rd = -5

3. In a triangle ABC, the measure of the angle B is  $6^\circ$  less than twice the measure of angle A. The measure of the angle C is  $2^\circ$  more than twice the measure of angle B. Find the angle measures.

A = 28°      B = 50°      C = 102°

4. Shelby works in a supermarket part time. On Wednesday, Thursday and Friday, she made a total of \$85. On Wednesday she made \$7 more than on Thursday. On Friday she made \$5 more than on Wednesday. How much did she make each day?

Wednesday = \$ 29      Thursday = \$ 22      Friday = \$ 34

5. The sum of three numbers is 105. The third is 11 less than ten times the second. Twice the first is 7 more than three times the second. Find the numbers.

1st = 17      2nd = 9      3rd = 79

6. The sum of three numbers is 57. The second is 3 more than the first. The third is 6 more than the first. Find the numbers.

1st = 16      2nd = 19      3rd = 22

7. The sum of three numbers is 5. The first number minus the second plus the third is 1. The first minus the third is 3 more than the second. Find the number.

1st = 4      2nd = 2      3rd = -1

8. The sum of three numbers is 26. Twice the first minus the second is 2 less than the third. The third is the second minus three times the first. Find the numbers.

1st = 8      2nd = 21      3rd = -3

9. In a triangle ABC, the measure of the angle B is  $2^\circ$  more than three times the measure of angle A. The measure of the angle C is  $8^\circ$  more than the measure of angle A. Find the angle measures.

$$A = \underline{34}^\circ \quad B = \underline{104}^\circ \quad C = \underline{42}^\circ$$

10. In a triangle PQR, the measure of the angle Q is three times the measure of angle P. The measure of the angle R is  $30^\circ$  greater than the measure of angle P. Find the angle measures.

$$P = \underline{30}^\circ \quad Q = \underline{90}^\circ \quad R = \underline{60}^\circ$$

11. In a triangle TUV, the measure of angle U is twice the measure of angle T. The measure of angle V is  $80^\circ$  more than the angle T. Find the angle measures.

$$T = \underline{25}^\circ \quad U = \underline{50}^\circ \quad V = \underline{105}^\circ$$

12. In a triangle FGH, the measure of angle G is three times that of angle F. The measure of angle H is  $20^\circ$  more than the angle F. Find the angle measures.

$$F = \underline{32}^\circ \quad G = \underline{96}^\circ \quad H = \underline{52}^\circ$$

13. Megan sell magazines part time. On Thursday, Friday and Saturday, she sold \$66 worth. On Thursday she sold \$3 more than on Friday. On Saturday she sold \$6 more than on Thursday. How much did she take in each day?

$$\text{Thursday} = \$ \underline{21} \quad \text{Friday} = \$ \underline{18} \quad \text{Saturday} = \$ \underline{27}$$

14. Joe picked a total of 87 quarts of strawberries on Monday, Tuesday and Wednesday. On Tuesday he picked 15 quarts more than on Monday. On Wednesday he picked 3 quarts fewer than on Tuesday. How many quarts did he pick each day?

$$\text{Monday} = \underline{20} \text{ qt.} \quad \text{Tuesday} = \underline{35} \text{ qt.} \quad \text{Wednesday} = \underline{32} \text{ qt.}$$

15. Kailey has a total of 225 points on three tests. The sum of the scores on the first and second test exceeds her third score by 61 points. Her first score exceeds her second by 6 points. Find the three scores.

$$\text{1st} = \underline{74.5} \quad \text{2nd} = \underline{68.5} \quad \text{3rd} = \underline{82} \text{ points}$$



