**Word Problems Worksheet**

1) Five subtract 3 times a number is equal to 3.5 times the same number, subtract 8. Determine the number.

2) Ravi is 8 years older than Natasha. The sum of their ages is 42. Find their ages.

3) Marie ran twice as far as Brenda. They ran a total distance of 12km.

Find how far each girl ran.

4) The length of a rectangle is 5cm longer than the width. The perimeter is 68cm. Find the dimensions of the rectangle.

5) The sum of three numbers is 33. The second number is 7 less than the first, and the third number is 2 more than the second. Find the numbers.

6) Six times a number increased by 7 is 103. Find the number.

7) Mr. Kay is 4 years older than Mrs. Kay. Their total age is 76 years.

How old are they?

8) Joan’s jump was longer than Erin’s by 15cm. Joan’s jump was 1.04 times as long as Erin’s jump. How far did they jump?

9) For two consecutive integers, the sum of the smaller and twice the larger is 38. What are the integers?

10) For two consecutive integers, the sum of twice the larger and three times the smaller is 242. Find the integers.

11) Find three consecutive numbers with a sum of 159.

12) A small pizza with tomato sauce and cheese costs $7.50, plus $1.50 for each additional topping. A customer orders a small pizza and is charged $16.50. How many topping did the customer order?

13) Two rental halls are considered for a wedding. Hall A costs $50 per person and hall B costs $2000 plus $40 per person. Determine the number of people for which the halls will cost the same to rent.

14) A car rental company charges $24.95 per day plus $0.35 per km. A business person is allowed $50 each day for travel expenses. How far can the business person travel without exceeding the daily budget?

15) Henry has a choice of 2 companies to rent a car. Company A

charges $199 per week plus $0.20 per km. Company B charges

$149 per week plus $0.25 per km. Determine the distances that

Henry can drive so that Company A is cheaper than Company B.

16) A part-time sales clerk at a store is offered two methods of payment. Plan A is $1500 per month with a commission of 4% on sales. Plan B is $1700 per month with a commission of 2% on sales. Determine the amount of sales that result in plan A being more profitable than plan B?

Answers:

1. The number is 2 2. Ravis is 25, Natasha is 17

3. Marie ran 8km and Brenda ran 4km

4. Length is 19.5cm, width is 14.5 cm

5. 1st number is 15, 2nd number is 8, 3rd number is 10

6. The number is 16

7. Mr. Kay is 40, Mrs. Kay is 36

8. Joan jumped 390cm, Erin jumped 375cm

9. The numbers are 12 and 13 10. The numbers are 48 and 49

11. The numbers are 52, 53 and 54 12. There were 6 toppings

13. The halls will cost the same with 200 people

14. He can travel less than 71.6km

15. If Henry drives more than 1000km

16. If the sales are more than $10 000, plan A is more profitable.