

Quiz: Algebraic Translations

- 1 The ages of two brothers are in the ratio 3:4, but after eight years the ratio of their ages will be 7:8. Find their present age.
- 2 Separate 50 into two parts so that one part is 4 times the other.
- 3 Jack spent \$25 at the market. This was two dollars less than three times what he spent at the bookstore; how much did he spend there?
- 4 The sum of two consecutive numbers is 33. What are they?
- 5 The sum of two numbers is 7 times their difference. If one exceeds the other by 3, what are the numbers?
- 6 Two people ages, when multiplied together give 132. If these 2 people were born within 1 year of each other, what is the sum of their ages?
- 7 Find three consecutive even integers so that difference between the largest and smallest number is  $\frac{2}{3}$  of the smallest number.
- 8 A runs 3 km/h less than B. A covers 25 km in the same time B travels 40 km. What are the rates of each?
- 9 Sum of five consecutive numbers is 15. What are these numbers?
- 10 What is the total value of 8 \$0.25 coins and 3 \$7 notes in dollars?

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%