MPM 1D1 Review of Word Problems name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For the problems below, write the appropriate LET statements and the equation. Solve the equation and conclude your solution with therefore statement.

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| 1. Five times a number is the same as the number decreased by 52. Find the number. | 1. To find the length of a certain rectangle you must triple the width and add 5 metres. If the perimeter of the rectangle is 74 metres, determine the dimensions. |
| 1. Jeff has $4.05 made up of nickels and dimes. If he has seven times as many nickels as dimes, how many dimes does he have? | 1. The sum of two numbers is 95. The larger number increased by 21 equals the smaller number increased by 32. Find the numbers. |
| 1. The length of a rectangle is 12cm more than twice the width. The perimeter of the rectangle is 66cm. Find the length and the width of the rectangle. | 1. The sum of two numbers is 45. If 4 times the smaller number is increased by 3 times the larger number, the result is 150. Find the numbers. |
| 1. The sum of two consecutive even integers is 114. What are the integers? | 1. Ron has $.20.50 made up of dimes and quarters. If there are 100 coins in all, how many quarters are there? |
| 1. A parking meter contained 78 coins made up on dimes and nickels. The total value of the coins was $5.20. How many dimes did it contain? | 1. Find two consecutive integers such that the larger minus twice the smaller is -13. |

Answers: 1) 2) 8m by 29m 3) 9 dimes 4) 53 and 42

5) l = 33 cm, w = 7 cm 6) 15 and 30 7) 56 and 58 8) 70quarters

9) 26 dimes, 52 nickels 10) 14 and 15