

Name _____
Alg1 Q3 Quiz 9 Review

March 9, 2020
Quiz: Tuesday, March 10

- 1) A store sells Aaron Judge jerseys for \$185 and Robinson Cano jerseys for \$145. The store sold 11 more Judge jerseys than 8 times the Cano jerseys and total sales were \$6,910. How many of each jersey were sold?

- 2) A store sells peanut butter and jelly sandwiches for \$2.25 and bologna sandwiches for \$3.00. The store sells 4 less peanut butter and jelly sandwiches than double the amount of bologna sandwiches and the total sales are \$328.50. How many of each were sold?

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3) A jar of change has \$40.15 in it. There are 3 nickels more than twice the amount of quarters and 3 dimes less than triple the amount of quarters. How many nickels, dimes, and quarters are in the jar?

4) A snack stand at Yankee Stadium sells sodas for \$4.75 and hot dogs for \$6.50. During one game the stand sold 5 more sodas than twice the amount of hot dogs. If the total sales for sodas and hot dogs were \$2983.75; how many of each item were sold?

- 5) A jar of change has \$37.30 in it. There are 4 less nickels than 3 times the amount of dimes and 3 quarters more than double the amount of dimes. How many nickels, dimes, and quarters are in the jar?

- 6) A jar of change has \$52.55 in it. There are 7 more dimes than triple the amount of quarters. There are 3 less nickels than double the amount of quarters. How many nickels, dimes, and quarters are in the jar? (There are no pennies.)

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7) The perimeter of a rectangle is 178 inches. The width is 14 more than $\frac{1}{4}$ of the length. Find the dimensions of the rectangle.

8) The perimeter of a rectangle is 124 cm. The length is 10 less than 3 times the width. Find the dimensions of the rectangle.

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9) The perimeter of a rectangle is 86 inches. The width is 5 less than three fifths of the length. Find the area of the rectangle.

Answer Key:

1) 35 Judge, 3 Cano

2) 45 Bologna, 86 PB&J

3) 127N, 183D, 62Q

4) 185 Hot Dogs, 375 Sodas

5) 143N, 49D, 101Q

6) 157 N, 247 D, 80 Q

7) $l = 60$ in and $w = 29$ in

8) $l = 44$ in and $w = 18$ in

9) $l = 30$ in, $w = 13$ in, $A = 390$ in²