Lab # 2 solutions

Write as decimal numbers

twenty seven and two tenths equals 27 point 2

five hundred and forty four ten thousandths equals 500 point 0 4 4

ten and one hundredth equals 10 point 0 1

Lab # 2

Part A, pounds equals 19 point 0 7 6 and Cost per part equals 18 point 1 2
Part B, pounds equals 21 point 9 6 4 and Cost per part equals 15 point 8 1
Part C, pounds equals 7 point 8 4 8 and Cost per part equals 8 point 0 8
Part D, pounds equals 3 point 2 9 6 and Cost per part equals 7 point 9 8.

Total cost equals 49 dollars and 99 cents

1. 0 point 0 7 8 0 plus 0 point 7 4 6 2 plus 0 point 3 8 7 4 plus 0 point 1 8 7 5 plus 0 point 7 4 6 2 plus 0 point 0 7 8 0 equals 2 point 2 2 3 3. 2 point 2 2 3 3 minus 0 point 1 7 7 0 equals 2 point 0 4 6 3 inches.

2. 0 point 5 8 0 plus 0 point 7 3 6 plus 0 point 6 8 7 plus 0 point 6 0 0 equals 2 point 6 0 3. 2 point 6 0 3 minus 0 point 0 7 5 equals 2 point 5 2 8. 2 point 5 2 8 – 0 point 0 67 equals 2 point 4 6 1 inches

3. Y equals 0 point 1 42 plus 0 point 1 63 plus 0 point 2 0 1 plus 0 point 2 0 1 plus 0 point 2 3 4 plus 0 point 2 3 4 plus 0 point 4 8 2 + 0 point 5 0 6 equals 2 point 1 6 3. 2 point 1 6 3 – 0 point 1 8 7 equals 1 point 9 7 6 inches.

x equals 1 point 9 7 6 minus 0 point 5 1 4 equals 1 point 4 6 2. 1 point 4 6 2 plus 0 point 1 2 8 plus 0 point 5 1 7 equals 2 point 1 0 7 inches

4. The mixed fraction 3 and 3 over 4 times 12 dollars and 37 cents equals 46 dollars and 39 cents

The mixed fraction 10 and 5 over 6 times 16 dollars and 25 cents equals 176 dollars and 4 cents

The mixed fraction 32 and 3 over 4 times 9 dollars and 95 cents equals 325 dollars and 86 cents

The mixed fraction 15 and 2 over 3 times 17 dollars and 75 cents equals 278 dollars and 8 cents.

Total cost equals 46 point 39 plus 176 point 0 4 plus 325 point 86 plus 278 point 0 8 which equals 826 dollars and 37 cents.

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