Increasing Decreasing Quantities by a Ratio

Increase \$70 by a ratio of 9 : 7

Change Both Values to Fractions

Increase $\frac{\$70}{1}$ by $\frac{9}{7}$

Multiply Quantities

$\frac{70}{1} \times \frac{9}{7}$

The increased value is \$90

Decrease \$80 by a ratio of 3 : 4

Change Both Values to Fractions

Increase $\frac{\$80}{1}$ by $\frac{3}{4}$

Multiply Quantities

$\frac{80}{1} \times \frac{3}{4}$

The decreased value is \$60

1. Increase 60 quarts by a ratio of 8 : 5 _____ quarts
2. Increase 72 cm by a ratio of 11 : 9 _____ cm
3. Decrease 108 yards by a ratio of 7 : 6 _____ yards
4. Decrease 132 m by a ratio of 5 : 11 _____ m
5. Increase 98 kg by a ratio of 10 : 7 _____kg
6. Decrease \$42 by a ratio of 3 : 7 \$ _____
7. Decrease 248 ml by a ratio of 5 : 8 _____ml
8. Increase 75 gallons by a ratio of 13 : 5 _____ gallons
9. Decrease 119 feet by a ratio of 4 : 17 _____feet
10. Increase 567 tons by a ratio of 8 : 9 _____ tons

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