

1/16/19

C2 7.1.7

can determine the multiplier when scaling a quantity.

percent increase: interest, raise, profit, tips, sales tax

EX restaurant bill: \$36.00
tip: 20%

$$\textcircled{1} \quad 36 \times 0.2 = 7.20 + 36 = \$43.20$$

(20%) (100%) (120%)

$$\textcircled{2} \quad 36 \times 1.2 = \$43.20$$

Percent decrease: sales, coupons, groupon, employee discounts

EX ~~for a shirt~~ sweatshirt: \$24.00
sale: 15%

$$\textcircled{1} \quad 24 \times 0.15 = 3.60$$

(15%)

$$24 - 3.60 = \$20.40$$

(100%) - (15%) = (85%)

$$\textcircled{2} \quad 24 \times 0.85 = \$20.40$$

P. 391 # 7-29
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