

7.9 Percent Increase and Decrease

Chapter 7: Percent

Name: _____

Date: _____

Class/Period: _____

Problem 7.171 Find the number 30% less than 50.

Problem 7.174 Find the number 35% less than 240.

Problem 7.172 Find the number 25% more than 72.

Problem 7.175 Find the number 35% more than $\frac{4}{9}$.

Problem 7.173 Find the number 22% more than 150.

Problem 7.176 Find the number 30% less than $\frac{5}{8}$.

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Problem 7.177 Write 15% more than 70 as a percent of 70.

Problem 7.180 Write 10% less than 12 as a decimal multiplier.

Problem 7.178 Write 80% less than 90 as a percent of 90.

Problem 7.181 Find the percent increase from 40 to 52.

Problem 7.179 Write 125% more than 16 as a percent of 16.

Problem 7.182 Find the percent decrease from 90 to 63.

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Problem 7.183 Find the percent change from 24 to 30.

Problem 7.186 What multiplier represents a 300% increase?

Problem 7.184 Find the percent change from 30 to 24.

Problem 7.187 What percent decrease uses multiplier 0.01?

Problem 7.185 Compare 250% of 48 with 250% more than 48.

Problem 7.188 Can a positive real-world quantity decrease by 120% and remain nonnegative? Explain using a multiplier.

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Problem 7.189 A roll has 22% more towels than a 150-towel competing roll. How many towels does it have?

Problem 7.191 A is 40% more than B. Is B 40% less than A? Find the actual percent by which B is less than A.

Problem 7.190 A quantity increases from 64 to 88, then a student says the increase is 24%. Find the error and correct it.

Problem 7.192 A population is 125% of its earlier size. State the percent increase, then explain why it is not 125%.