

Decimals & Percent DAY ONE WS

Find each percent change in decimal form (round to the thousandth when appropriate) then to the nearest percent. State if it is an increase or decrease. Show all work to earn full credit.

- 1) From 45 ft to 92 ft *increase*

$$\boxed{\begin{array}{l} 104\% \\ \approx 104.444 \end{array}}$$

- 7) From 83 hours to 76 hours *decrease*

$$\boxed{\begin{array}{l} 8\% \\ \approx 8.434 \end{array}}$$

- 2) From 74 hours to 85 hours *increase*

$$\boxed{\begin{array}{l} 14\% \\ \approx 14.865 \end{array}}$$

- 8) From 24 grams to 96 grams *increase*

$$\boxed{\begin{array}{l} 300\% \\ \approx 4 \end{array}}$$

$$\begin{array}{l} 24 \cdot 4 = 96 \\ \frac{1}{4} \end{array}$$

- 3) From 74 ft to 75 ft *increase*

$$\boxed{\begin{array}{l} 1\% \\ \approx 1.351 \end{array}}$$

- 9) From 20 tons to 99 tons *increase*

$$\boxed{\begin{array}{l} 395\% \\ \approx 3.95 \end{array}}$$

$$\begin{array}{l} \frac{99}{20} = 4.95 \\ 4.95 - 1 \end{array}$$

- 4) From 36 inches to 90 inches *increase*

$$\boxed{\begin{array}{l} 150\% \\ \approx 1.5 \end{array}}$$

$$\begin{array}{l} \frac{90}{36} \\ 2.5 - 1 \\ 1.5 \end{array}$$

- 10) From 16 tons to 72 tons *increase*

$$\boxed{\begin{array}{l} 350\% \\ \approx 3.5 \end{array}}$$

$$\begin{array}{l} \frac{72}{16} = 4.5 \\ 4.5 - 1 \\ 3.5 \end{array}$$

- 5) From 94 miles to 34 miles *decrease*

$$\boxed{\begin{array}{l} 64\% \\ \approx 63.830 \end{array}}$$

- 11) From 117 minutes to 91 minutes *decrease*

$$\boxed{\begin{array}{l} 22\% \\ \approx 22.222 \end{array}}$$

- 6) From 12 ft to 23 ft *increase*

$$\boxed{\begin{array}{l} 92\% \\ \approx 91.667 \end{array}}$$

- 12) From 188 m to 42 m *decrease*

$$\boxed{\begin{array}{l} 78\% \\ \approx 77.660 \end{array}}$$