

Percent EQ

$$a = p \cdot w$$

6.4b The Percent Equation Word Problems

TEXT MESSAGES You have 44 text messages in your inbox. How many messages can your cell phone hold? (Section 6.4)



Handwritten work for the text messages problem:

$a = p \cdot w$

$44 = 0.88 \cdot w$

Division: $44 \div 0.88 = 50$

$50 = w$

The phone can hold 50 messages.

Another method shown: $88 \overline{) 4400} \begin{matrix} 50 \\ -4400 \\ \hline 0 \end{matrix}$

Another method shown: $44 = 0.88 \cdot w$ leads to $44 \div 0.88 = 50$

COMPLETIONS A quarterback completed 68% of his passes in a game. He threw 25 passes. How many passes did the quarterback complete? (Section 6.3)

Handwritten work for the completions problem:

$a = p \cdot w$

$a = 0.68 \cdot 25$

$a = 17$

The QB completed 17 passes.

Another method shown: $68 \overline{) 1700} \begin{matrix} 25 \\ -1360 \\ \hline 340 \\ -340 \\ \hline 0 \end{matrix}$

CW: p. 237 #23-26

HW: p. 239 #1-18