

ame: Answer Key

Chapter 2, Lessons 4-8 Footloose Quiz Review - Answer Sheet

Directions: Complete all cards. Follow directions and show all work for each problem.

Way #1

$$\frac{P}{50} = \frac{.75}{100}$$

$$\frac{.75 \cdot 50}{100} = \frac{37.5}{100} = \textcircled{.375}$$

Way #2

~ .75% of 50

$$.0075 \times 50 = \textcircled{.375}$$

Way #1

$$\frac{P}{50} = \frac{430}{100}$$

$$430 \cdot 50 = \frac{21,500}{100} = \textcircled{215}$$

Way #2

430% of 50

$$4.3 \times 50 = \textcircled{215}$$

Way #1

$$\frac{P}{5} = \frac{25}{100}$$

$$5 \cdot 25 = \frac{125}{100} = \textcircled{1.25 \text{ hours}}$$

4

What is 8% of \$585?

$$\frac{P}{585} = \frac{8}{100}$$

$$8 \cdot 585 = \frac{4680}{100} = \textcircled{\$46.80}$$

5

$$\frac{60}{W} = \frac{25}{100}$$

$$60 \cdot 100 = \frac{6000}{25} = \textcircled{240}$$

6

$$\frac{24}{W} = \frac{4}{100}$$

$$\frac{24 \cdot 100}{4} = \frac{2400}{4} = \textcircled{600}$$

Way #1

$$\frac{P}{430} = \frac{20}{100}$$

$$430 \cdot 20 = \frac{8,600}{100} = \textcircled{86 \text{ Students}}$$

8

$$\frac{90}{W} = \frac{20}{100}$$

$$90 \cdot 100 = \frac{9000}{20} = \textcircled{450 \text{ students}}$$

9

$$126\% = \textcircled{1.26}$$

$$126\% = \frac{126}{100} = 1 \frac{26}{100} = \textcircled{1 \frac{13}{50}}$$

Way #2

20% of 430

$$.20 \times 430 = \textcircled{86}$$

10
 $.02\% = 0002$
 $.02\% = \frac{.02 \times 100}{100 \times 100} = \frac{2}{10,000}$
 $= \frac{1}{5,000}$

11
 way 1
 $4\frac{3}{5} \times 20 = 4\frac{60}{100}$
 $400\% + 60\% = 460\%$
 way 2
 $4 \text{ and } 5 \overline{) 3.0}$
 $\underline{-30}$
 0
 $4.6 = 460\%$

12
 a) $.013 = 1.3\%$
 b) $85 = 8500\%$
 c) $1.7 = 170\%$

13
 $9.8\% = 098$
 $.098 = \frac{98}{1,000} = \frac{49}{500}$

14
 $\frac{3}{4}, \frac{2}{5}, \frac{5}{8}, \frac{1}{2}$
 The two largest factors go into 40, so do 4 and 2.
 $\frac{3}{4}, \frac{2}{5}, \frac{5}{8}, \frac{1}{2}$
 $\frac{30}{40}, \frac{16}{40}, \frac{25}{40}, \frac{20}{40}$
 $\frac{2}{5}, \frac{1}{2}, \frac{5}{8}, \frac{3}{4}$

15
 $325\% \bigcirc 3\frac{1}{4}$
 $300\% \quad \frac{1}{4} = \frac{25}{100} = 25\%$
 $325\% = 325\%$

16
 $\frac{1}{5} = \frac{20}{100}$ $34\% = \frac{34}{100}$ $\frac{23}{25} \times 4 = \frac{92}{100}$
 already in order!

Homework
 1) Finish all cards that did not get completed in class with your partner as homework.
 2) Study for your Quiz tomorrow!