Name

Tier B Percents Take Home and Check

You must show your work for each problem. You may use a calculator for all problems, **except** the conversions.



1) What percent of 60 is 15.68?	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
2) What number is .5 % of 8?	$ 2) \frac{x}{8} = \frac{.5}{100} $ $ \frac{100x}{100} = \frac{4}{100} $ $ x = .04 $
3) 12 is what percent of 85?	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
4) 9 is 45% of what number?	$ \begin{array}{c cccc} 4 & 9 & 45 \\ \hline $
5) Write $4\frac{1}{8}$ % as a decimal and fraction in lowest terms.	6) $4\frac{1}{8}\% = 4.125\% =$

7) Write
$$\frac{33}{40}$$
 as a percent. Round to the nearest hundredth if necessary.

$$\frac{33}{40} = .825 = 82.5\%$$

$$9)$$
 8.25 = 825%

(1)
$$56\% = .56 = \frac{56}{100} = \frac{14}{25}$$

(2)
$$273-95=178$$
 did not volunteer $\frac{178}{273}=.652=[65.2\%]$

$$\begin{array}{c}
 13) \ 325 = X \\
 8125 = 100
 \end{array}$$

$$\begin{array}{c}
 8128 \times = 32500 \\
 \hline
 8125 = 8125
 \end{array}$$

$$\begin{array}{c}
 X = 4\% \\
 \end{array}$$

14)
$$\frac{x}{35900} = \frac{43}{100}$$
 $100 \times = 1,543,700$
 $x = 15,437 \text{ orangutans}$
 $20,463 \text{ left}$

$$\frac{2250}{40500} = .0555 = \frac{5.55\% \sqrt{}$$

$$\frac{X}{1600} = \frac{15}{100} \qquad \frac{X}{1360} = \frac{20}{100}$$

$$\frac{1000}{100} = 24000 \qquad 1000 = 27200$$

$$\frac{1000}{100} = \frac{1360}{100} - 272 = \frac{31088}{1000}$$

$$\frac{1600 - 240 = 1360}{1360} = \frac{31088}{31088}$$

$$\begin{array}{r}
 | 17 \rangle & \times & = 150 \\
 | 18 \rangle & | 100 \rangle \\
 | 100 \rangle & = 2700 \\
 | 100 \rangle & | 100 \rangle \\
 | \times = ^{3}27
 \end{array}$$

19)
$$\frac{Tip}{X} = \frac{18}{100}$$
 23.00
 $\frac{X}{23} = \frac{18}{100}$ 1.38
 $100 \times = 414$ [\$ 28.52]
 $\times = 4.14$ Total
 $\frac{X}{23} = \frac{6}{100}$
 $100 \times = 138 \times = 1.38$

20)
$$365 - 35 = 330$$
 days Not rain $\frac{330}{365} = .9041 = \boxed{90.41\%}$

21)
$$I = PRT$$

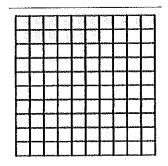
 $1102.50 = (4500)(.07)(t)$
 $1102.50 = 315t$
 315 315

22)
$$I = PRT$$

= $(20000)(.08)(5)$
 $I = 8000$
 $20,000 + 8000 = 328000$

$$\frac{23)c}{0} \frac{120-72}{120} = \frac{48}{120} = .4 = \frac{4090 \text{ V}}{120}$$

24)
$$I = PRT$$
= $(2300)(.065)(5.5)$
= $[$^{8}22.25]$

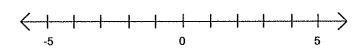


$$\frac{16}{100} = \frac{4}{25}$$

26)Place the following numbers on the number line below: (Put the letter on the number line):

A:
$$-\frac{3}{4}$$

- B: 0
- C: 0.75
- D: -1.8
- E: -3.5



A = -.75 B = 0 C = .75 D = -1.8 E = -3.5

