Name	
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Tier A 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 12 % of 72?	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
3) 12 is what percent of 85?	$ \frac{12}{85} = \frac{x}{100} $ $ \frac{85}{85} \times = 1200 $ $ \frac{85}{85} \times = 1200 $ $ \frac{7}{85} \times = 14.11\% $
4) What number is 15% of 76?	$\frac{x}{76} = \frac{15}{100} \qquad \boxed{X = 11.40}$ $\frac{100 \times = 1140}{100}$

5) A paperback book originally priced at #12.50 is on sale for \$7.50. What percent of the original cost is the sale price?

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

$$\textcircled{7} \quad \frac{33}{40} = .825 = 82.5\%$$

(8)
$$.45\% = .0045 = \frac{45}{10000} = \frac{9}{2000}$$
percent decimal

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

12)
$$273-95 = 178$$
 did not volunteer $\frac{178}{273} = .6520 = [65.2\%]$

(15) Change
$$3.49-.24$$
 3.25
Original -24 -24

$$135470$$

$$\frac{2250}{40500} = .0555$$

$$\frac{5.5590\sqrt{}}{3}$$

$$\frac{17}{18} = \frac{150}{100}$$

$$\frac{100 \times = 2700}{160}$$

$$\frac{100 \times = 2700}{100}$$

$$\frac{18)}{385} = \frac{115}{385} = ,2987$$

$$29.872$$

19) Tip =
$$\frac{X}{23} = \frac{18}{100}$$
 $\frac{100}{100} \times = \frac{414}{100} + \frac{4.14}{1.38}$

$$X = 4.14 \quad 628.52$$
Tax = $\frac{X}{23} = \frac{6}{100}$

$$100 \times = \frac{138}{2.38}$$

$$X = \frac{1.38}{1.38}$$

20)
$$365-35 = 330$$
 days it does
 $\frac{330}{365} = \frac{X}{100}$
 $\frac{365}{365} \times = \frac{33000}{365}$
 $\frac{365}{X} = \frac{90.41\%}{3}$

21)
$$I = PRT$$

$$1102.50 = (4500)(.07)(4) PRT$$

$$1102.50 = 315t$$

$$315$$

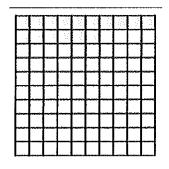
$$X = 3.5 Yrs$$

22)
$$I = PRT$$

= (20000)(.08)(5)
 $I = 8000 \Rightarrow \text{ interest}$
20000 + 8000 = 28000
amt to
repay

$$\frac{(23)}{(20)} \frac{120-72}{720} = \frac{48}{120} = .4 = \frac{40}{120}$$

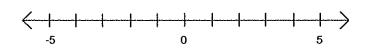
24)
$$\frac{x}{15} = \frac{36}{100}$$
 $15 - 4.50 = \frac{100}{100} \times = \frac{450}{100}$ $\frac{7}{100}$ $\frac{7}{1$



$$\frac{16}{100} = 1690$$

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

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



- $A = -\frac{3}{4} = -.75$ B = 0 C = .75
 - D = -1.8E = -3.5

