Math 7 F	ractice	Quiz	#2
(Section			

Name	(Key)	
Block	Date	

41	The regular price of a computer is \$193.59.	Find
the	The regular price of a computer is \$193.59. Sale price if it is marked 20% off.	

Foff
$$\frac{20}{Reg} = \frac{n}{100} = \frac{n}{193.59}$$
 $n = 38.718$
 $rac{80}{Reg} = \frac{n}{100} = \frac{n}{193.59}$
 $rac{38.720ff}{100} = \frac{154.872}{100}$

$$N = 38.718$$
 38.72 off

193.59
 -38.72

193.59
 -38.72

Sale Reg 100 = $\frac{1}{193.59}$
 $N = 154.87$
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Sale Reg 100 = $\frac{1}{193.59}$

2 Will purchased a tent for \$132 that was marked 15% off. How much is Will's discount?

$$\frac{d_{1} \text{scoont}}{R \text{ eg}} = \frac{15}{100} = \frac{1}{132}$$

$$0.15(132) = \frac{1}{132}$$

$$0.15(132) = \frac{1}{132}$$

3 Tara bought a camera for \$129.50. She paid a 4.5% sales tax. What was the total price of the camera including tax

$$\frac{104.5}{100} = \frac{1}{129.50}$$
 $0 = 135.3275$
 $\frac{5}{135.33}$

Jen's family celebrated her birthday at a restaurant. The dinner bill was \$124. Since it was a large group, the restaurant calculated an 18% tip on the bill. How much was the tip?

$$\frac{+i\rho}{bill} \frac{18}{100} = \frac{n}{124} + i\rho = \frac{18\% \text{ of } 124}{0.18 (124)}$$

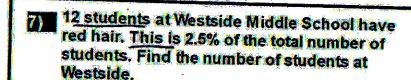
$$n = 22.32$$

$$422.32 + i\rho$$

$$422.32 + i\rho$$

$$\frac{36}{100} = \frac{180}{100}$$

T+Edsots
$$\frac{65}{100} = \frac{n}{60}$$
Teams of $\frac{39}{00}$ oints



$$\frac{Rd}{A11} \quad \frac{2.5}{100} = \frac{12}{n}$$

$$n = \frac{480}{100} \text{ students}$$

What percent of 75 is 225?

$$\frac{1}{100} = \frac{225}{75}$$
 $1 = 300$

9) An item is on sale for \$45.98. Its regular price is \$60. Find the percent discount. Round to the nearest tenth of a percent.

10) A baseball player got 12 hits in 40 times at bat. What percent of his times at bat did he get a hit?

hits
$$\frac{h}{100} = \frac{12}{40}$$

$$\frac{1}{100} = \frac{12}{40}$$

$$\frac{1}{30\%}$$

11) What number is 8.5% of 380 ?

$$\frac{8.5}{100} = \frac{\Lambda}{380}$$

$$n = 32.3$$

12) 240 is 4.8% of what number?

$$\frac{4.8}{100} = \frac{240}{1}$$

Find the total cost of this item.

inust find salesprice

Tax is calculated on sales orice.

Regular Price \$36

40% off

6.35% Sales Tax

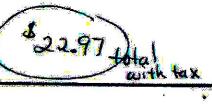
$$\frac{\text{discount}}{\text{Reg}} = \frac{40}{36} = \frac{\Omega}{36}$$

n= 14.40 off

 $\frac{4ax}{\text{Salegina}} = \frac{6.35}{700} = \frac{1}{21.60}$

N = 1.371b 41.37 + ax

21.60 + 1.37 22.9716



2) 40% off -7 60% paid

solvine 60 = 100 = 36

n = 21.60 sale grice.

Total with Tax = Salegrice + Tox 100% + 6.35% 106.35%

106.35 = 100 = 21.60

1 22.97 Total with tax