

Name: _____

Period: _____ Date: _____

Decimals, Fractions and Percents

Section I. Fill out the table by converting the given information in the row into a Fraction, Decimal or Percent. (Fractions should be in lowest form)

Fraction	Decimal	Percent
$\frac{1}{10}$	1. .1	2. 10%
3. $\frac{1}{4}$.25	4. 25%
5. $\frac{13}{100}$	6. .13	13%
7. $\frac{2}{3}$. $\overline{66}$	8. $66\frac{2}{3}\%$
$\frac{1}{8}$	9. .125	10. $12\frac{1}{2}\%$
11. $\frac{3}{5}$	12. .6	60%
13. $\frac{1}{3}$	14. $.3\overline{3}$	$33\frac{1}{3}\%$
$\frac{4}{5}$	15. .8	16. 80%
17. $\frac{1}{6}$. $\overline{166}$	18. $16\frac{2}{3}\%$

Section II. Equivalent Value. Circle the fractions, decimals, and percents that are equivalent.

19. $\frac{1}{20}$: 20% . $\overline{55}$ $\frac{5}{100}$.05 10% $\frac{5}{10}$ 5% $\frac{1}{5}$.20

20. $37\frac{1}{2}\%$: $\frac{1}{3}$ 37.5% $.8\overline{33}$.375 $\frac{15}{40}$ $.1\overline{66}$ 3.75 $\frac{3}{8}$ $\frac{1}{12}$

Section III. Solve

21. What is 15% of 40?

6

22. 9 is what percent of 72?

$12\frac{1}{2}\%$

23. 70% of what number is 21?

30

24. 38 is what percent of 152?

25%

Section IV. Determine the Percent of Increase or Decrease. Label which one it is.

25. A skateboard costs a retailer \$60.00, they sell it for \$96.00

60% increase



26. A pair of skis was \$575.00 this winter now they are marked \$460

20% decrease



Section IV. Word Problems.

27. A retailer buys T-shirts for \$8.00 each. They sell them for \$17.60 each. What is the percent mark up?

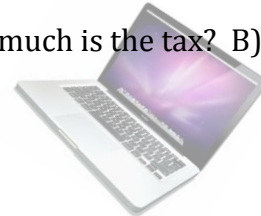
95% mark up



28. The price of a computer is \$1400. Sales tax is 6%. A) How much is the tax? B) What is the total you will pay?

A) tax is \$84.00

B) total is \$1484



29. The original price of a TV is \$850.00 it is on sale for \$595.00. What is the percent of discount?

30% discount

30. A hat is on sale for 10% off. The cost is \$28.00. What was the original price of the hat?

\$31.11