

DECIMALS AND PERCENT

FINAL TEST

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Multiply the following. Put the decimal in the proper place.

$$\begin{array}{r} 1) \quad 4.327 \\ \times 88 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 9.402 \\ \times 87 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 34.75 \\ \times 38 \\ \hline \end{array}$$

$$4) \quad 7.8 \overline{) 60.762}$$

$$5) \quad .67 \overline{) 5.092}$$

$$6) \quad .68 \overline{) 44064}$$

Round off to the nearest hundred.

$$7) \quad 946.37$$

$$8) \quad 682.943$$

$$9) \quad 88.796$$

$$10) \quad 296.84$$

Change these fractions to decimals.

$$11) \quad \frac{2}{3} =$$

$$12) \quad \frac{5}{9} =$$

$$13) \quad \frac{1}{6} =$$

Change these decimals to fractions in simplest form.

$$14) \quad .41666\dots$$

$$15) \quad .4666\dots$$

$$16) \quad .08333\dots$$

$$17) \quad .1333\dots$$

$$18) \quad .318$$

$$19) \quad .2777\dots$$

Change from decimals to percent.

$$20) \quad 6.03 =$$

$$21) \quad .16 =$$

$$22) \quad .6 =$$

$$23) \quad .004 =$$

Change these fractions to percent.

$$24) \quad \frac{1}{5} =$$

$$25) \quad \frac{22}{25} =$$

$$26) \quad \frac{1}{100} =$$

Change to math and do as indicated.

27) What is 25% of 40? 28) 60 is what percent of 80?

29) 70 is 20% of what? 30) What is 9% of 80?

31) 15% of what is 60? 32) 20% of what is 30?

33) Charlie Horse gets a salary of \$400 per week plus $1\frac{1}{2}\%$ commission on everything he sells in the store. If he sells \$2500 worth of merchandise this week, what will he earn in commission? What will he make in salary plus commission?

34) Julio Schwartz sells snitzelbanks on commission. They sell for \$270 each and he sold 8 or them last week. If he gets a commission of 42%, how much did he make last week?

35) At the ace Realty Company they sell homes for a commission of 6%. If they sold the following homes last month, how much did they receive in total commissions? The homes they sold cost \$52,700, \$137,500, \$86,700, and \$76,100.

36) Wofgang Yammamoto earns \$37,500 per year and spends his money according to the following budget. He spends 38% for Federal, state, and local taxes, 21% for housing, 12% for food, 9% for clothing, 2% for insurance, 10% for tithe and 8% for miscellaneous expenses. List the amounts of money for each category.

\$ _____ for taxes \$ _____ for housing

\$ _____ for food \$ _____ for clothing

\$ _____ for insurance \$ _____ for tithe

\$ _____ for miscellaneous

37) A tire company puts the following ingredients in their radial tires: 48% natural and synthetic rubber, 24% carbon black, 17% steel cord, 3% rayon and nylon textiles, 8% sulfur plasticizers, accelerators, and other ingredients. In a 30 pound tire there are _____ pounds of rubber, _____ pounds of carbon black, _____ pounds of steel cord, _____ pounds of rayon of nylon, and _____ pounds of other ingredients.

38) A farmer borrowed \$12,600 to put his crops in. He took the loan out April 15th and repaid it August 15th. If the rate of interest was 9%, how much interest should he pay on the loan? What would be the total amount of the payment in August?

39) If you invested \$90,000 at an annual rate of 6.5% for a period of 13 months, how much interest should you earn?

40) Calculate the interest on savings of \$500 at 6% for 3 years compounded every year. How much would it yield if it was compounded every six months? Compare the two. Which is better for the one who is saving the money? How much more does the account yield when the interest is compounded every six months?