

UNIT 0 : SKILLS REVIEW

Directions: Solve the problems and put your answers on loose leaf paper.

I.) FRACTIONS

A.) Reduce to simplest form.

1.) $\frac{3}{9}$

2.) $\frac{4}{10}$

3.) $\frac{24}{32}$

B.) Change to improper fractions.

4.) $2\frac{3}{8}$

5.) $3\frac{6}{7}$

6.) $7\frac{3}{4}$

C.) Change to mixed numbers.

7.) $\frac{7}{3}$

8.) $\frac{21}{9}$

9.) $\frac{42}{16}$

D.) Adding fractions.

10.) $2\frac{7}{10} + 8\frac{1}{2}$

11.) $\frac{1}{7} + \frac{3}{14}$

12.) $3\frac{2}{3} + 2\frac{2}{5} + 4\frac{5}{6}$

E.) Subtract fractions.

13.) $5\frac{5}{12} - 2\frac{7}{8} =$

14.) $8\frac{2}{3} - 1\frac{2}{9} =$

15.) $6\frac{1}{3} - 2\frac{2}{3} =$

F.) Multiply fractions

16.) $\frac{2}{3} \cdot 9 =$

17.) $1\frac{1}{8} \cdot 5\frac{1}{2} =$

18.) $\frac{4}{8} \cdot \frac{3}{5} \cdot \frac{1}{2} =$

G.) Division of fractions

19.) $2\frac{7}{8} \div \frac{1}{2} =$

20.) $2\frac{2}{5} \div 2\frac{1}{3} =$

21.) $4\frac{1}{6} \div 5 =$

H.) Working with decimals. Computation

22.) $816.4 + 12.12 + 8.44 + .008 =$

23.) $\$72.54 - \$12.69 =$

This does not have to be completed in its entirety. It is just a supplemental study guide.

24.) $31.2 \cdot 456 =$

25.) $61 \overline{)170.8}$

I.) Write as a decimal.

26.) $\frac{7}{10}$

27.) $\frac{1}{3}$

28.) $8\frac{1}{4}$

J.) Write as a percent.

29.) $\frac{4}{5}$

30.) $1\frac{2}{5}$

31.) $\frac{2}{3}$

K.) Write as a decimal.

32.) 51%

33.) 102%

34.) $\frac{3}{4}\%$

L.) Write as a fraction in lowest terms.

35.) 125%

36.) 3%

37.) 50%

M.) Write as a percent AND as a fraction or mixed number.

38.) .25

39.) 1.2

40.) .125

N.) Solve these percent problems.

41.) What number is 15% of 60?

42.) 66 is 11% of what number?

43.) 308 is what percent of 350?

44.) The price of milk increased from \$1.89 a gallon to \$2.09 a gallon. What was the percent of increase?

45.) A \$150 leather jacket is going on sale for a 25% discount. How much will the jacket cost on sale?

46.) Jim bought 3 CD's at a cost of \$14.99 each. What will he pay including 6% sales tax?

O.) Integers

47.) $-4 + (-5)$

48.) $-3 + (-8) + 12$

49.) $7 - 14$

50.) $13 - 7 - 15$

51.) $-(-26)$

52.) $(8)(-6)(-1)$

53.) $165 \div (-5)$

54.) $-150 \div (-6)$