

MERIDIAN COMMUNITY COLLEGE NURSING PRETEST

Express all answers in decimals. Work answers to hundredths; round off to nearest tenth.

ADD:

1. $5 \frac{1}{5} + 7 \frac{1}{10}$

2. $\frac{6}{8} + \frac{2}{5}$

3. $6 \frac{3}{4} + 2$

SUBTRACT:

4. $2 \frac{3}{4} - 5 \frac{1}{8}$

5. $0.25 - 0.125$

6. $\frac{60}{75} - \frac{3}{150}$

MULTIPLY

7. $4 \frac{1}{2} \times \frac{3}{4}$

8. $400 \times \frac{1}{100}$

9. $\frac{3}{4} \times 2.5$

10. 6×2.3

DIVIDE:

11. $\frac{1}{100} \div \frac{1}{250}$

12. $\frac{3}{5} \div \frac{7}{8}$

13. $3.27 \div .6$

14. $\frac{2}{4} \div .5$

Nursing Pretest Answers

① $5\frac{1}{5} = 5\frac{2}{10}$
 $+ \frac{7}{10} = \frac{7}{10}$

 $5\frac{9}{10} = 5.9$

② $\frac{6}{8} = \frac{30}{40}$
 $+ \frac{2}{5} = \frac{16}{40}$

 $\frac{46}{40} = 1\frac{6}{40} = 1.2$

$40 \overline{) 6.00} = 0.2$
 $\underline{40}$
 200
 $\underline{200}$

③ $6\frac{3}{4} = 6.75$
 $+ .2 = .2$

 $6.95 = 7.0$

④ $2\frac{3}{4} = 2\frac{6}{8}$
 $- \frac{5}{8} = \frac{5}{8}$

 $2\frac{1}{8} = 2.1$

$8 \overline{) 1.000} = 0.1$
 $\underline{8}$
 20
 $\underline{16}$
 40
 $\underline{40}$

⑤ $0.25 = 0.250$
 $- 0.125 = 0.125$

 $0.125 = 0.1$

⑥ $\frac{60}{75} = \frac{120}{150} = \frac{40}{50}$
 $- \frac{3}{150} = \frac{3}{150} = \frac{1}{50}$

 $\frac{39}{50} = 0.8$

$50 \overline{) 39.00} = 0.8$
 $\underline{350}$
 400
 $\underline{400}$

⑦ $4\frac{1}{2} \times \frac{3}{4} = \frac{9}{2} \times \frac{3}{4} = \frac{27}{8} = 3.4$
 $8 \overline{) 27.00} = 3.4$
 $\underline{24}$
 30
 $\underline{24}$
 60
 $\underline{56}$
 4

⑧ $400 \times \frac{1}{100} = \frac{400}{100} = 4.0$

⑨ $\frac{3}{4} \times 2.5 =$
 $\frac{.75}{2.5}$

 $\frac{375}{150}$

 $1.875 = 1.9$

⑩ $6 \times 2.3 = 13.8$
 $\begin{array}{r} 2.3 \\ \times 6 \\ \hline 13.8 \end{array}$

⑪ $\frac{1}{100} \div \frac{1}{250} = \frac{1}{100} \times \frac{250}{1} = \frac{250}{100} = \frac{25}{10} = 2.5$

⑫ $\frac{3}{5} \div \frac{7}{8} = \frac{3}{5} \times \frac{8}{7} = \frac{24}{35} = 0.7$

$35 \overline{) 24.00} = 0.7$
 $\underline{210}$
 300
 $\underline{280}$
 20

⑬ $3.27 \div .6 = 5.5$
 $.6 \overline{) 3.270} = 5.5$
 $\underline{30}$
 27
 $\underline{24}$
 30

⑭ $\frac{2}{4} \div .5 = .5 \div .5$
 $5 \overline{) 5} = 1.0$