

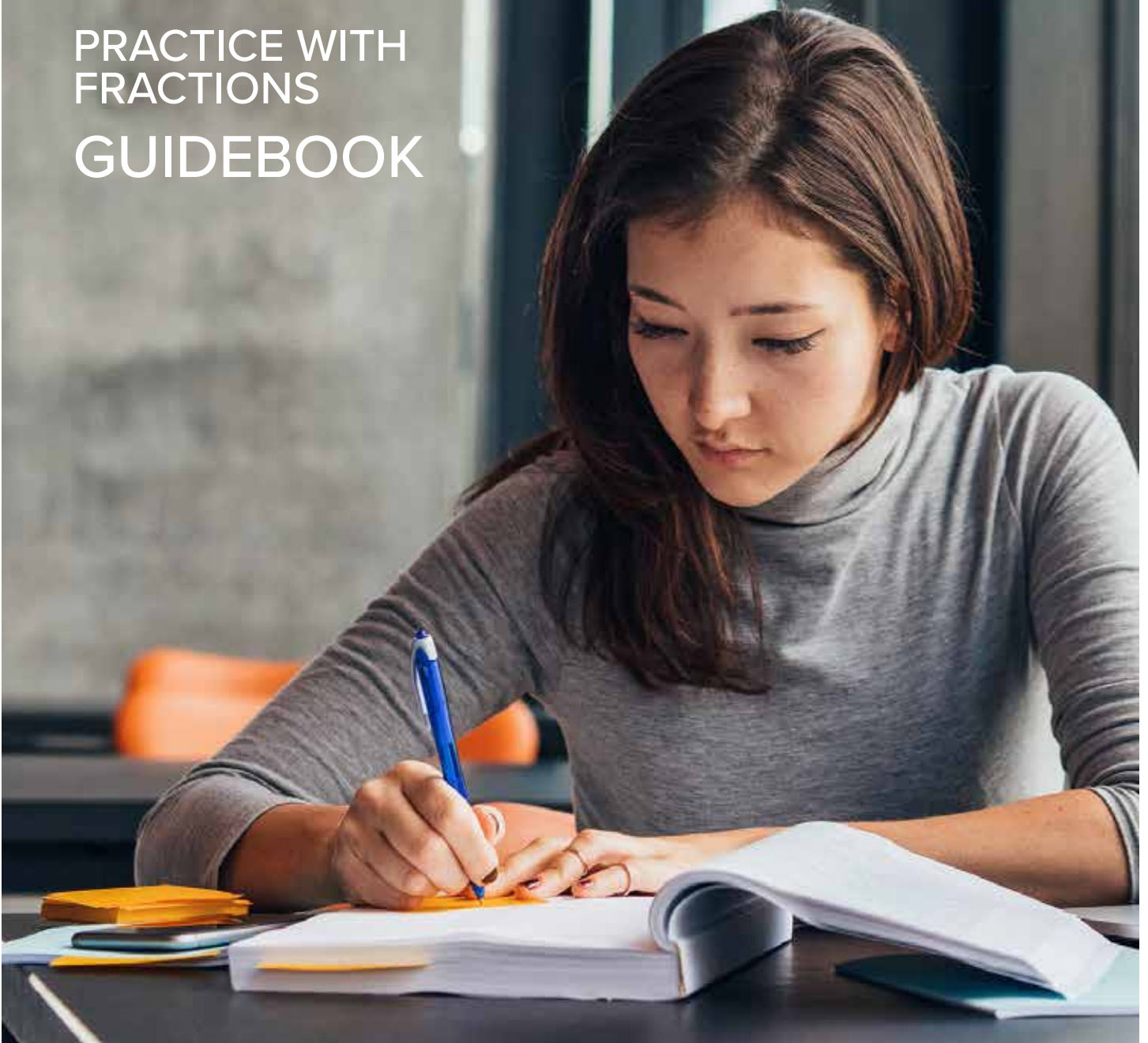


# Central

SCHOOL OF PRACTICAL

# Nursing

## PRACTICE WITH FRACTIONS GUIDEBOOK



**Sample Math Problems and Answers**  
**(Note: These are examples only)**

**Section 1:**

Whole numbers

1)  $415 \times 12 = 4980$

2)  $192 \times 11 = 2112$

3)  $121 \times 18 = 2178$

4)  $1485 \div 45 = 33$

5)  $6480 \div 30 = 216$

**Section 2:**

Fractions (Answers must be in proper terms, for example,  $1\frac{1}{4}$  not  $\frac{5}{4}$ )

6)  $\frac{9}{10} + \frac{3}{8} + \frac{3}{4} = 2\frac{1}{40}$

7)  $4\frac{1}{8} + \frac{2}{3} + 12\frac{3}{4} = 17\frac{13}{24}$

8)  $\frac{3}{4} + \frac{1}{10} + \frac{1}{2} = 1\frac{7}{20}$

9)  $1\frac{2}{3} + \frac{2}{3} + 9\frac{1}{4} = 11\frac{7}{12}$

10)  $\frac{5}{6} - \frac{1}{4} = \frac{7}{12}$

11)  $\frac{3}{8} - \frac{5}{16} = \frac{1}{16}$

12)  $10\frac{4}{5} - 5\frac{1}{6} = 5\frac{19}{30}$

13)  $6\frac{2}{5} - 5\frac{3}{10} = 1\frac{1}{10}$

14)  $\frac{2}{5} \times \frac{3}{4} = \frac{3}{10}$

15)  $\frac{1}{15} \times \frac{1}{3} = \frac{1}{45}$

16)  $6\frac{1}{2} \times 1\frac{1}{8} \times 2\frac{1}{5} = 16\frac{7}{80}$

17)  $6\frac{1}{4} \times 4 \times 3\frac{2}{5} = 85$

18)  $\frac{2}{3} \div \frac{4}{5} = \frac{5}{6}$

19)  $\frac{1}{2} \div \frac{1}{6} = 3$

20)  $10\frac{1}{2} \div \frac{1}{3} = 31\frac{1}{2}$

21)  $1\frac{1}{6} \div 3\frac{2}{3} = \frac{7}{22}$

**Section 3:**

Division of decimals: Carry to two places after the decimal point if necessary.

22)  $106.4 \div 13.3 = 8$

23)  $39.6 \div 2.78 = 14.24$

24)  $6.85 \div 0.5 = 13.7$

25)  $123.4 \div 2.1 = 58.76$

26)  $7.5 \div 0.25 = 30$

27)  $6.6 \div 5.3 = 1.25$

**Section 4:**

**Convert from percent to decimal to fraction to ratio:**

Convert 70% to a:

28) Decimal = **0.70**

29) Fraction =  $\frac{70}{100}$

30) Ratio = **70:100**