



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**