

Assessment #1

Date 2/22/21

Find each sum.

1) $\frac{5}{7} + 3\frac{5}{6}$

$$\frac{5}{7} + \frac{23}{6} = \frac{191}{42} \Rightarrow 4\frac{23}{42}$$

A) $5\frac{8}{21}$

B) $2\frac{71}{168}$

C) $6\frac{23}{42}$

☒ D) $4\frac{23}{42}$

2) $\frac{3}{2} + \frac{1}{2}$

$$3+1 = \frac{4}{2} = 2$$

A) $2\frac{1}{7}$

B) 4

☒ C) 2

D) $1\frac{1}{3}$

3) $\frac{5}{7} + \frac{9}{5}$

A) $3\frac{73}{210}$

B) $6\frac{179}{280}$

☒ C) $2\frac{18}{35}$

D) $3\frac{39}{280}$

$$\frac{5}{7} + \frac{9}{5} = \frac{25+63}{35} = \frac{88}{35} = 2\frac{18}{35}$$

4) $\frac{7}{4} + 3\frac{3}{4}$

A) $9\frac{2}{3}$

☒ B) $5\frac{1}{2}$

C) $4\frac{1}{4}$

D) 4

$$\frac{7}{4} + 3\frac{3}{4} = \frac{11}{2} = 5\frac{1}{2}$$

 $3+2=5$

Find each difference.

5) $\frac{12}{7} - 1\frac{2}{3}$

A) $1\frac{26}{105}$

B) $\frac{113}{168}$

☒ C) $\frac{1}{21}$

D) $4\frac{8}{21}$

$$\frac{12}{7} - 1\frac{2}{3} = \frac{1}{21}$$

6) $4\frac{2}{3} - \frac{4}{5}$

A) $\frac{37}{60}$

B) $\frac{76}{105}$

C) $3\frac{13}{15}$

☒ D) $1\frac{11}{30}$

$$4\frac{2}{3} - \frac{4}{5} = \frac{15}{8}$$

7) $2 - \frac{3}{2}$

A) $3\frac{3}{8}$

☒ B) $\frac{1}{2}$

C) $\frac{1}{6}$

D) $1\frac{3}{10}$

$$2 - 3 = \frac{1}{2}$$

8) $3 - 2\frac{1}{8}$

A) $2\frac{3}{4}$

B) $5\frac{5}{8}$

☒ C) $\frac{7}{8}$

D) $4\frac{17}{24}$

$$3 - \frac{17}{8} = \frac{7}{8}$$

Find each product.

9) $\frac{7}{4} \times \frac{4}{5}$

A) $4\frac{1}{15}$

B) $1\frac{9}{10}$

C) $2\frac{11}{15}$

☒ D) $1\frac{2}{5}$

$$7 \times \frac{1}{5} = \frac{7}{5} = 1\frac{2}{5}$$

10) $\frac{4}{3} \times \frac{5}{3}$

☒ A) $2\frac{2}{9}$

B) 3

C) $\frac{5}{9}$

D) $2\frac{13}{18}$

$$\frac{4 \times 5}{3 \times 3} = \frac{20}{9} = 2\frac{2}{9}$$

11) $\frac{4}{5} \times \frac{7}{4}$

A) $1\frac{9}{10}$

☒ B) $1\frac{2}{5}$

C) $\frac{7}{12}$

D) $2\frac{11}{20}$

$$\frac{1}{5} \times 7 = \frac{7}{5} = 1\frac{2}{5}$$

12) $2\frac{2}{3} \times \frac{2}{3}$

A) $3\frac{1}{3}$

B) $1\frac{17}{18}$

C) $\frac{5}{12}$

☒ D) $1\frac{7}{9}$

$$2\frac{2}{3} \times \frac{2}{3} = \frac{8}{3} \times \frac{2}{3} = \frac{16}{9} = 1\frac{7}{9}$$

Find each quotient.

13) $\frac{1}{2} \div \frac{1}{8}$

☒ A) 4

B) $\frac{5}{8}$

C) $3\frac{2}{3}$

D) $\frac{3}{8}$

$$\frac{1}{2} \div \frac{1}{8} = \frac{8}{2} = 4$$

14) $\frac{5}{3} \div \frac{3}{5}$

☒ A) $2\frac{7}{9}$

B) $\frac{3}{4}$

C) $\frac{9}{25}$

D) $2\frac{1}{6}$

$5 \times 5 = 25$
 $3 \times 3 = 9$

$\frac{25}{9} = 2\frac{7}{9}$

15) $3\frac{3}{4} \div \frac{2}{3}$

A) $\frac{1}{2}$

B) $\frac{4}{7}$

C) $1\frac{2}{5}$

☒ D) $5\frac{5}{8}$

Find each sum.

16) $3 + 0.7$

A) 3.4

☒ B) 3.7

C) 0.5

D) 3.6

$$\begin{array}{r} 3 \\ + 0.7 \\ \hline 3.7 \end{array}$$

17) $1.34 + 3.1$

A) 9.34

B) 11.34

C) 7.24

☒ D) 4.44

$$\begin{array}{r} 1.34 \\ + 3.10 \\ \hline 4.44 \end{array}$$

Find each difference.

18) $4 - 3.9$

A) 0.5

B) 4.8

C) 0.1

D) 1.5

$$\begin{array}{r} 4 \\ - 3.9 \\ \hline 0.1 \end{array}$$

19) $7.52 - 1.6$

A) 5.92

B) 2.42

C) 3.83

D) 2.02

Find each product.

20) 1.1×3.6

☒ A) 3.96

B) 8.16

C) 6.56

D) 4.7^x

$$\begin{array}{r} 1.1 \\ \times 3.6 \\ \hline \end{array}$$

$1.1 \times 3.6 = 3.96$

21) 0.88×4.1

☒ A) 3.608

B) 2.218

C) 8.108

D) 7.868

$$\begin{array}{r} 0.88 \\ \times 4.1 \\ \hline \end{array}$$

$$\begin{array}{r} 4.1 \\ \times 0.88 \\ \hline \end{array}$$

$$\begin{array}{r} 3.608 \end{array}$$

$0.88 \times 4.1 =$

22) 4×4.1

☒ A) 16.4

B) 18.3

C) 10.827

D) 8.1

$$\begin{array}{r} 4 \\ \times 4.1 \\ \hline \end{array}$$

$$\begin{array}{r} 16.4 \end{array}$$

23) 0.2×5.1

A) 0.82

☒ B) 1.02

C) 4.72

D) 5.3

$$\begin{array}{r} 0.2 \\ \times 5.1 \\ \hline \end{array}$$

$0.2 \times 5.1 = 1.02$

Find each quotient.

24) $0.1 \div 0.1$

A) 1.5

B) 5.3

C) 1.9

☒ D) 1

$$1.\cancel{0}\sqrt{\cancel{0}.1}$$

$$\frac{1}{1} = 1$$

25) $3.8 \div 5 = 38 \div 5$

☒ A) 0.76

B) 3.8

C) 5.1

D) 1.145

$$5 \overline{) 3.8} \begin{array}{r} 0.76 \\ \underline{3.5} \\ 0.30 \\ \underline{0.30} \\ 0 \end{array}$$

$$\frac{38}{5} = 7.6$$