

Fractions and Decimals

Write each as a decimal. Use repeating decimals when necessary.

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

0.25

2) $2\frac{3}{5}$

2.6

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

0.625

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

0.6

5) $\frac{7}{200}$

0.035

6) $\frac{8}{33}$

 $0.\overline{24}$

7) $\frac{6}{11}$

 $0.\overline{54}$

8) $\frac{7}{50}$

0.14

9) $4\frac{27}{125}$

4.216

10) $\frac{7}{20}$

0.35

$$11) \frac{1}{111} \\ 0.\overline{009}$$

$$12) \frac{1}{125} \\ 0.008$$

Write each as a fraction.

$$13) 2.2$$

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

$$14) 1.6$$

$$1\frac{3}{5}$$

$$15) 0.08$$

$$\frac{2}{25}$$

$$16) 0.27$$

$$\frac{27}{100}$$

$$17) 1.76$$

$$1\frac{19}{25}$$

$$18) 0.\overline{15}$$

$$\frac{5}{33}$$

$$19) 0.\overline{3}$$

$$\frac{1}{3}$$

$$20) 0.\overline{09}$$

$$\frac{1}{11}$$

$$21) 0.\overline{7}$$

$$\frac{7}{9}$$

$$22) 0.\overline{46}$$

$$\frac{46}{99}$$

$$23) 0.005$$

$$\frac{1}{200}$$

$$24) 0.4$$

$$\frac{2}{5}$$

Add/Subtracting Fractions and Mixed Numbers

Evaluate each expression.

1) $\frac{5}{4} - \frac{3}{4}$

$\frac{1}{2}$

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

1

3) $\frac{2}{5} + \frac{4}{5}$

$\frac{6}{5}$

4) $\frac{1}{3} - \frac{1}{3}$

0

5) $6 - \frac{1}{6}$

$\frac{35}{6}$

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

0

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

$\frac{2}{5}$

8) $\frac{7}{6} - \frac{5}{6}$

$\frac{1}{3}$

9) $\left(-\frac{4}{5}\right) - \frac{7}{8}$

$-\frac{67}{40}$

10) $\frac{1}{3} - \left(-\frac{5}{3}\right)$

2

11) $\left(-\frac{1}{3}\right) + \frac{3}{8}$

$\frac{1}{24}$

12) $\left(-\frac{10}{7}\right) + \frac{1}{6}$

$-\frac{53}{42}$

13) $\frac{9}{5} + \left(-\frac{4}{3}\right)$

$\frac{7}{15}$

14) $2 - \frac{13}{8}$

$\frac{3}{8}$

$$15) \frac{9}{5} - \frac{5}{8}$$
$$\frac{47}{40}$$

$$16) \left(-\frac{4}{3}\right) - \left(-\frac{3}{2}\right)$$
$$\frac{1}{6}$$

$$17) (-1) + \left(-2\frac{2}{5}\right)$$
$$-3\frac{2}{5}$$

$$18) \left(-3\frac{3}{5}\right) - 4\frac{2}{5}$$
$$-8$$

$$19) 3\frac{6}{7} + \left(-1\frac{1}{7}\right)$$
$$2\frac{5}{7}$$

$$20) 1\frac{2}{7} + \left(-3\frac{4}{7}\right)$$
$$-2\frac{2}{7}$$

$$21) 2\frac{1}{3} + \left(-1\frac{2}{3}\right)$$
$$\frac{2}{3}$$

$$22) \left(-1\frac{3}{4}\right) + \left(-3\frac{3}{4}\right)$$
$$-5\frac{1}{2}$$

$$23) \left(-1\frac{7}{8}\right) + \left(-3\frac{1}{2}\right)$$
$$-5\frac{3}{8}$$

$$24) \left(-2\frac{7}{8}\right) + \left(-1\frac{1}{2}\right)$$
$$-4\frac{3}{8}$$

$$25) \left(-2\frac{5}{6}\right) - \left(-1\frac{1}{4}\right)$$
$$-1\frac{7}{12}$$

$$26) \left(-3\frac{5}{8}\right) - 4\frac{2}{5}$$
$$-8\frac{1}{40}$$

$$27) 1\frac{2}{5} - \left(-3\frac{3}{4}\right)$$
$$5\frac{3}{20}$$

$$28) 2\frac{4}{5} - \frac{5}{8}$$
$$2\frac{7}{40}$$

Multiplying/Dividing Fractions and Mixed Numbers

Find each product.

$$1) -\frac{5}{4} \cdot \frac{1}{3}$$
$$-\frac{5}{12}$$

$$2) \frac{8}{7} \cdot \frac{7}{10}$$
$$\frac{4}{5}$$

$$3) \frac{4}{9} \cdot \frac{7}{4}$$
$$\frac{7}{9}$$

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

$$5) -2 \cdot \frac{3}{7}$$
$$-\frac{6}{7}$$

$$6) -2\frac{2}{3} \cdot 4\frac{1}{10}$$
$$-10\frac{14}{15}$$

$$7) -2\frac{1}{5} \cdot -1\frac{3}{4}$$
$$3\frac{17}{20}$$

$$8) -1\frac{1}{4} \cdot 9$$
$$-11\frac{1}{4}$$

$$9) -1\frac{5}{7} \cdot -2\frac{1}{2}$$
$$4\frac{2}{7}$$

$$10) -2\frac{3}{8} \cdot 2\frac{1}{2}$$
$$-5\frac{15}{16}$$

Find each quotient.

$$11) \frac{-1}{5} \div \frac{7}{4}$$

$$-\frac{4}{35}$$

$$12) \frac{-1}{2} \div \frac{5}{4}$$

$$-\frac{2}{5}$$

$$13) \frac{-3}{2} \div \frac{-10}{7}$$

$$\frac{21}{20}$$

$$14) \frac{1}{2} \div \frac{8}{7}$$

$$\frac{7}{16}$$

$$15) \frac{-9}{5} \div 2$$

$$-\frac{9}{10}$$

$$16) -3\frac{5}{9} \div 3$$

$$-1\frac{5}{27}$$

$$17) -2 \div -3\frac{4}{5}$$

$$\frac{10}{19}$$

$$18) \frac{1}{9} \div -1\frac{1}{3}$$

$$-\frac{1}{12}$$

$$19) 1\frac{6}{7} \div 5\frac{3}{4}$$

$$\frac{52}{161}$$

$$20) -3\frac{7}{10} \div 2\frac{1}{4}$$

$$-1\frac{29}{45}$$