

Fractions — To 8

Name: _____

Date: _____

$$1 \quad \frac{5}{8} + \frac{4}{8} = \frac{9}{8}$$

$$2 \quad \frac{3}{8} + \frac{1}{8} = \text{—}$$

$$3 \quad \frac{3}{8} - \frac{1}{8} = \text{—}$$

$$4 \quad \frac{5}{7} - \frac{2}{7} = \text{—}$$

$$5 \quad \frac{3}{8} - \frac{2}{8} = \text{—}$$

$$6 \quad \frac{1}{7} + \frac{6}{7} = \text{—}$$

$$7 \quad \frac{3}{8} + \frac{7}{8} = \text{—}$$

$$8 \quad \frac{2}{7} + \frac{5}{7} = \text{—}$$

$$9 \quad \frac{7}{8} - \frac{5}{8} = \text{—}$$

$$10 \quad \frac{5}{8} - \frac{2}{8} = \text{—}$$



Fractions — To 8

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$$1 \quad \frac{4}{6} = \frac{2}{3}$$

$$2 \quad \frac{3}{6} = \text{---}$$

$$3 \quad \frac{2}{4} = \text{---}$$

$$4 \quad \frac{4}{8} = \text{---}$$

$$5 \quad \frac{6}{8} = \text{---}$$

$$6 \quad \frac{2}{8} = \text{---}$$

$$7 \quad \frac{2}{6} = \text{---}$$



Add & subtract mixed numbers — Denominators to 8

Name: _____

Date: _____

Add or subtract. Write each answer as a mixed number in simplest form.

1 $5\frac{4}{7} + 2\frac{6}{7} = 8\frac{3}{7}$

2 $2\frac{5}{6} - 1\frac{5}{6} = \underline{\hspace{1cm}}$

3 $5\frac{1}{7} + 4\frac{6}{7} = \underline{\hspace{1cm}}$

4 $3\frac{1}{3} - 2\frac{2}{3} = \underline{\hspace{1cm}}$

5 $4\frac{1}{7} + 3\frac{4}{7} = \underline{\hspace{1cm}}$

6 $4\frac{2}{5} - 3\frac{4}{5} = \underline{\hspace{1cm}}$

7 $1\frac{2}{7} + 3\frac{1}{7} = \underline{\hspace{1cm}}$

8 $3\frac{4}{5} - 1\frac{4}{5} = \underline{\hspace{1cm}}$

9 $1\frac{1}{6} + 2\frac{5}{6} = \underline{\hspace{1cm}}$

10 $3\frac{3}{4} - 1\frac{3}{4} = \underline{\hspace{1cm}}$



Fractions and decimals — To 8

Name: _____

Date: _____

Convert between fractions and decimals.

1 $\frac{3}{5} \rightarrow$ 0.6

2 $\frac{1}{6} \rightarrow$ _____

3 0.125 $\rightarrow$ —

4 0.25 $\rightarrow$ —

5 $\frac{3}{8} \rightarrow$ _____

6 $\frac{2}{3} \rightarrow$ _____

7 0.375 $\rightarrow$ —

8 0.75 $\rightarrow$ —

9 0.625 $\rightarrow$ —

10 $\frac{1}{5} \rightarrow$ _____



Percent — Decimal → percent

Name: _____

Date: _____

Write each decimal as a percent.

1 $0.49 = \underline{49\%}$

2 $0.32 = \underline{\hspace{2cm}}$

3 $0.99 = \underline{\hspace{2cm}}$

4 $0.35 = \underline{\hspace{2cm}}$

5 $0.56 = \underline{\hspace{2cm}}$

6 $0.17 = \underline{\hspace{2cm}}$

7 $0.43 = \underline{\hspace{2cm}}$

8 $0.13 = \underline{\hspace{2cm}}$

9 $0.27 = \underline{\hspace{2cm}}$

10 $0.82 = \underline{\hspace{2cm}}$



Percent — Percent of a number

Name: _____

Date: _____

Find the percent of each number.

1 20% of 45 = 9

2 20% of 90 = _____

3 25% of 40 = _____

4 5% of 140 = _____

5 80% of 165 = _____

6 50% of 68 = _____

7 25% of 132 = _____

8 50% of 80 = _____

9 5% of 20 = _____

10 60% of 120 = _____



Ratios — Simplify a ratio

Name: _____

Date: _____

Write each ratio in its simplest form.

1 $10 : 15 = \underline{2 : 3}$

2 $20 : 25 = \underline{\hspace{2cm}}$

3 $18 : 42 = \underline{\hspace{2cm}}$

4 $9 : 24 = \underline{\hspace{2cm}}$

5 $6 : 15 = \underline{\hspace{2cm}}$

6 $4 : 12 = \underline{\hspace{2cm}}$

7 $16 : 20 = \underline{\hspace{2cm}}$

8 $2 : 8 = \underline{\hspace{2cm}}$

9 $8 : 10 = \underline{\hspace{2cm}}$

10 $20 : 32 = \underline{\hspace{2cm}}$



Power Pack · Fractions, decimals and percents — Answer key

Adding and subtracting

1. $\frac{5}{8} + \frac{4}{8} = \frac{9}{8}$

2. $\frac{3}{8} + \frac{1}{8} = \frac{1}{2}$

3. $\frac{3}{8} - \frac{1}{8} = \frac{1}{4}$

4. $\frac{5}{7} - \frac{2}{7} = \frac{3}{7}$

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

6. $\frac{1}{7} + \frac{6}{7} = 1$

7. $\frac{3}{8} + \frac{7}{8} = \frac{5}{4}$

8. $\frac{2}{7} + \frac{5}{7} = 1$

9. $\frac{7}{8} - \frac{5}{8} = \frac{1}{4}$

10. $\frac{5}{8} - \frac{2}{8} = \frac{3}{8}$

Simplifying

1. $\frac{4}{6} = \frac{2}{3}$

2. $\frac{3}{6} = \frac{1}{2}$

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

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

5. $\frac{6}{8} = \frac{3}{4}$

6. $\frac{2}{8} = \frac{1}{4}$

7. $\frac{2}{6} = \frac{1}{3}$

Mixed numbers

1. $5\frac{4}{7} + 2\frac{6}{7} = 8\frac{3}{7}$

2. $2\frac{5}{6} - 1\frac{5}{6} = 1$

3. $5\frac{1}{7} + 4\frac{6}{7} = 10$

4. $3\frac{1}{3} - 2\frac{2}{3} = \frac{2}{3}$

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

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

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

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

9. $1\frac{1}{6} + 2\frac{5}{6} = 4$

10. $3\frac{3}{4} - 1\frac{3}{4} = 2$

Fractions and decimals

1. $\frac{3}{5} = 0.6$

2. $\frac{1}{6} = 0.1\overline{6}$

3. $0.125 = \frac{1}{8}$

4. $0.25 = \frac{1}{4}$

5. $\frac{3}{8} = 0.375$

6. $\frac{2}{3} = 0.\overline{6}$

7. $0.375 = \frac{3}{8}$

8. $0.75 = \frac{3}{4}$

9. $0.625 = \frac{5}{8}$

10. $\frac{1}{5} = 0.2$

Decimals to percents

1. $0.49 = 49\%$

2. $0.32 = 32\%$

3. $0.99 = 99\%$

4. $0.35 = 35\%$

5. $0.56 = 56\%$

6. $0.17 = 17\%$

7. $0.43 = 43\%$

8. $0.13 = 13\%$

9. $0.27 = 27\%$

10. $0.82 = 82\%$

Percent of a number

1. 20% of 45 = 9

2. 20% of 90 = 18

3. 25% of 40 = 10

4. 5% of 140 = 7

5. 80% of 165 = 132

6. 50% of 68 = 34

7. 25% of 132 = 33

8. 50% of 80 = 40

9. 5% of 20 = 1

10. 60% of 120 = 72

Ratios

1. $10 : 15 = 2 : 3$

2. $20 : 25 = 4 : 5$

3. $18 : 42 = 3 : 7$

4. $9 : 24 = 3 : 8$

Power Pack · Fractions, decimals and percents — Answer key

Ratios

5. $6 : 15 = 2 : 5$

6. $4 : 12 = 1 : 3$

7. $16 : 20 = 4 : 5$

8. $2 : 8 = 1 : 4$

9. $8 : 10 = 4 : 5$

10. $20 : 32 = 5 : 8$