

Express the ratio as a reduced fraction.

1) 1.2 to 0.8

2) 0.3 to 0.9

3) 0.4 to 1.2

4) 1.5 to 2.1

5) 12 to 21

6) 21 to 14

7) 24 to 6

8) 1.4 to 2.1

9) 2 to 0.6

10) 24 to 4

11) 14 to 12

12) 11 to 22

Express the ratio as a reduced fraction.

1) 1.2 to 0.8

Answer: $\frac{3}{2}$

2) 0.3 to 0.9

Answer: $\frac{1}{3}$

3) 0.4 to 1.2

Answer: $\frac{1}{3}$

4) 1.5 to 2.1

Answer: $\frac{5}{7}$

5) 12 to 21

Answer: $\frac{4}{7}$

6) 21 to 14

Answer: $\frac{3}{2}$

7) 24 to 6

Answer: $\frac{4}{1}$

8) 1.4 to 2.1

Answer: $\frac{2}{3}$

9) 2 to 0.6

Answer: $\frac{10}{3}$

10) 24 to 4

$$\text{Answer: } \frac{6}{1}$$

11) 14 to 12

$$\text{Answer: } \frac{7}{6}$$

12) 11 to 22

$$\text{Answer: } \frac{1}{2}$$

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Name _____

Ratio as Fraction

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Solution Steps

1) 1.2 to 0.8

To express the ratio '1.2 to 0.8' as a fraction, place 1.2 over 0.8 and reduce

Multiply numerator and denominator by 10

$$\frac{1.2}{0.8} \cdot \frac{10}{10} = \frac{12}{8}$$

$\frac{12}{8}$ can be reduced, since 4 is a factor of both 12 and 8:

$$\frac{12}{8} \div \frac{4}{4} = \frac{3}{2}$$

The fraction is now in lowest terms

2) 0.3 to 0.9

To express the ratio '0.3 to 0.9' as a fraction, place 0.3 over 0.9 and reduce

Multiply numerator and denominator by 10

$$\frac{0.3}{0.9} \cdot \frac{10}{10} = \frac{3}{9}$$

$\frac{3}{9}$ can be reduced, since 3 is a factor of both 3 and 9:

$$\frac{3}{9} \div \frac{3}{3} = \frac{1}{3}$$

The fraction is now in lowest terms

3) 0.4 to 1.2

To express the ratio '0.4 to 1.2' as a fraction, place 0.4 over 1.2 and reduce

Multiply numerator and denominator by 10

$$\frac{0.4}{1.2} \cdot \frac{10}{10} = \frac{4}{12}$$

$\frac{4}{12}$ can be reduced, since 4 is a factor of both 4 and 12:

$$\frac{4}{12} \div \frac{4}{4} = \frac{1}{3}$$

The fraction is now in lowest terms

4) 1.5 to 2.1

To express the ratio '1.5 to 2.1' as a fraction, place 1.5 over 2.1 and reduce
Multiply numerator and denominator by 10

$$\frac{1.5}{2.1} \times \frac{10}{10} = \frac{15}{21}$$

$\frac{15}{21}$ can be reduced, since 3

is a factor of both 15 and

$$\frac{15}{21} \div \frac{3}{3} = \frac{5}{7}$$

The fraction is now in lowest terms

7) 24 to 6

To express the ratio '24 to 6' as a fraction, place 24 over 6 and reduce

$\frac{24}{6}$ can be reduced, since 6

is a factor of both 24 and 6:

$$\frac{24}{6} \div \frac{6}{6} = 4$$

The fraction is now in lowest terms

5) 12 to 21

To express the ratio '12 to 21' as a fraction, place 12 over 21 and reduce

$\frac{12}{21}$ can be reduced, since 3

is a factor of both 12 and

$$\frac{12}{21} \div \frac{3}{3} = \frac{4}{7}$$

The fraction is now in lowest terms

8) 1.4 to 2.1

To express the ratio '1.4 to 2.1' as a fraction, place 1.4 over 2.1 and reduce

Multiply numerator and denominator by 10

$$\frac{1.4}{2.1} \times \frac{10}{10} = \frac{14}{21}$$

$\frac{14}{21}$ can be reduced, since 7

is a factor of both 14 and

$$\frac{14}{21} \div \frac{7}{7} = \frac{2}{3}$$

The fraction is now in lowest terms

6) 21 to 14

To express the ratio '21 to 14' as a fraction, place 21 over 14 and reduce

$\frac{21}{14}$ can be reduced, since 7

is a factor of both 21 and

$$\frac{21}{14} \div \frac{7}{7} = \frac{3}{2}$$

The fraction is now in lowest terms

9) 2 to 0.6

To express the ratio '2 to 0.6' as a fraction, place 2 over 0.6 and reduce

Multiply numerator and denominator by 10

$$\frac{2}{0.6} \times \frac{10}{10} = \frac{20}{6}$$

$\frac{20}{6}$ can be reduced, since 2

is a factor of both 20 and 6:

$$\frac{20}{6} \div \frac{2}{2} = \frac{10}{3}$$

The fraction is now in lowest terms

10) 24 to 4

To express the ratio '24 to 4' as a fraction, place 24 over 4 and reduce

$\frac{24}{4}$ can be reduced, since 4 is a factor of both 24 and 4:
 $\frac{24}{4} \div \frac{4}{4} = 6$

The fraction is now in lowest terms

11) 14 to 12

To express the ratio '14 to 12' as a fraction, place 14 over 12 and reduce

$\frac{14}{12}$ can be reduced, since 2 is a factor of both 14 and 12:
 $\frac{14}{12} \div \frac{2}{2} = \frac{7}{6}$

The fraction is now in lowest terms

12) 11 to 22

To express the ratio '11 to 22' as a fraction, place 11 over 22 and reduce

$\frac{11}{22}$ can be reduced, since 11 is a factor of both 11 and 22:
 $\frac{11}{22} \div \frac{11}{11} = \frac{1}{2}$

The fraction is now in lowest terms