

Divide Fractions Answers

1. Divide Fractions 1 with Circles

1.



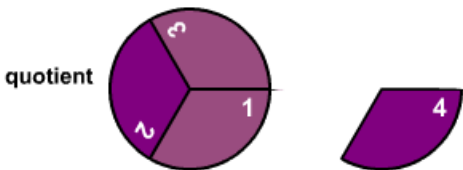
$$\frac{2}{3} \div \frac{1}{3} =$$

dividend divisor

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

Multiply by the reciprocal simplify

2.



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

dividend divisor Write in fraction form.

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

Multiply by the reciprocal simplify

3.



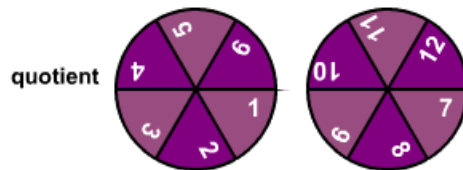
$$2 \div \frac{2}{3} = \frac{2}{1} \div \frac{2}{3} =$$

dividend divisor Write in fraction form.

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

Multiply by the reciprocal simplify

4.



$$2 \div \frac{1}{6} = \frac{2}{1} \div \frac{1}{6} =$$

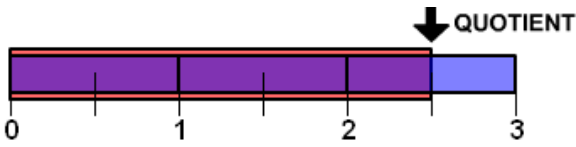
dividend divisor Write in fraction form.

$$\frac{2}{1} \times \frac{6}{1} = \frac{12}{1} = 12$$

Multiply by the reciprocal simplify

2. Divide Fractions 1 with Lines

1.



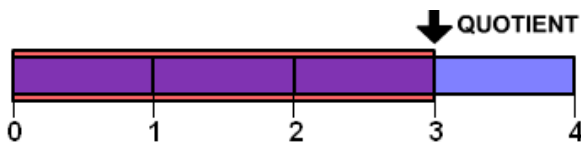
$$2 \frac{1}{2} \div 1 =$$

dividend **divisor**

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

division by 1

2.



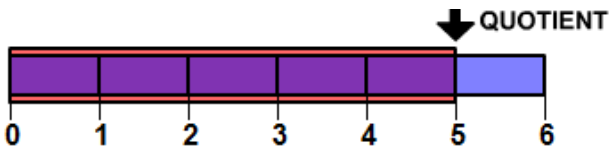
$$2 \frac{1}{2} \div \frac{5}{6} = \frac{5}{2} \div \frac{5}{6} =$$

dividend **divisor** Write in fraction form.

$$\frac{5}{2} \times \frac{6}{5} = \frac{30}{10} = 3$$

Multiply by the reciprocal simplify

3.



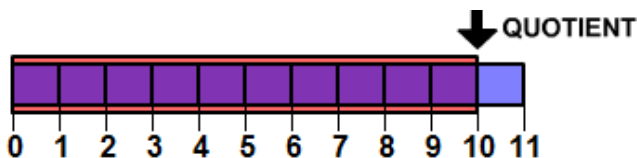
$$2 \frac{1}{2} \div \frac{1}{2} = \frac{5}{2} \div \frac{1}{2} =$$

dividend **divisor** Write in fraction form.

$$\frac{5}{2} \times \frac{2}{1} = \frac{10}{2} = 5$$

Multiply by the reciprocal simplify

4.



$$2 \frac{1}{2} \div \frac{1}{4} = \frac{5}{2} \div \frac{1}{4} =$$

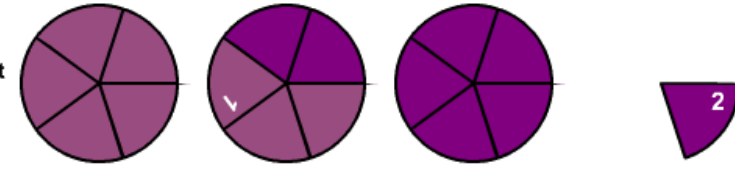
dividend **divisor** Write in fraction form.

$$\frac{5}{2} \times \frac{4}{1} = \frac{20}{2} = 10$$

Multiply by the reciprocal simplify

3. Divide Fractions 2 with Circles

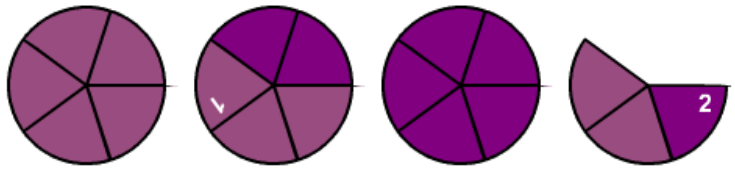
1.

quotient 

$$3 \frac{1}{5} \div 1 \frac{3}{5} = \frac{16}{5} \div \frac{8}{5} = \frac{16}{5} \times \frac{5}{8} = \frac{80}{40} = 2$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

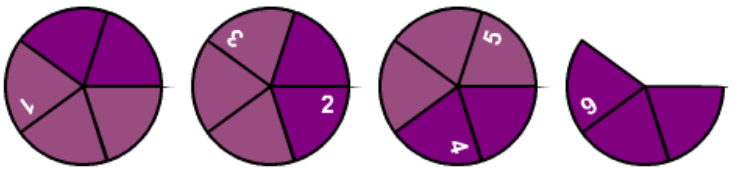
2.

quotient 

$$3 \frac{3}{5} \div 1 \frac{3}{5} = \frac{18}{5} \div \frac{8}{5} = \frac{18}{5} \times \frac{5}{8} = \frac{90}{40} = 2 \frac{1}{4}$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

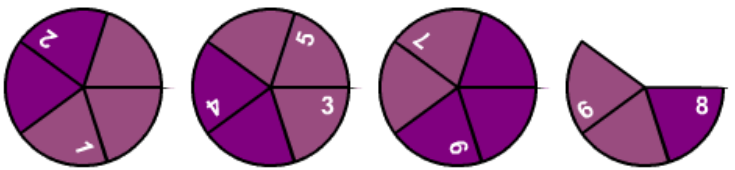
3.

quotient 

$$3 \frac{3}{5} \div \frac{3}{5} = \frac{18}{5} \div \frac{3}{5} = \frac{18}{5} \times \frac{5}{3} = \frac{90}{15} = 6$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

4.

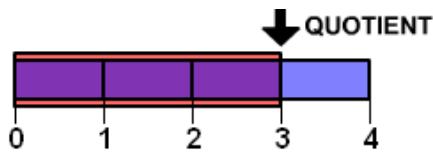
quotient 

$$3 \frac{3}{5} \div \frac{2}{5} = \frac{18}{5} \div \frac{2}{5} = \frac{18}{5} \times \frac{5}{2} = \frac{90}{10} = 9$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

4. Divide Fractions 2 with Lines

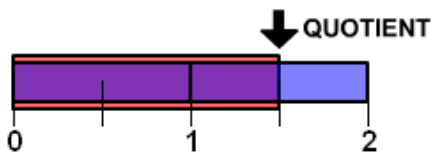
1.



$$1 \frac{1}{2} \div \frac{1}{2} = \frac{3}{2} \div \frac{1}{2} = \frac{3}{2} \times \frac{2}{1} = \frac{6}{2} = 3$$

dividend divisor Write in fraction form. Multiply by the reciprocal simplify

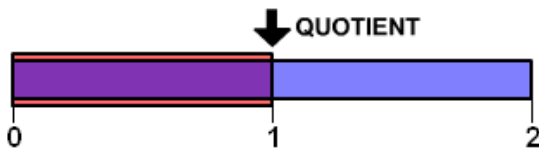
2.



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

dividend divisor division by 1

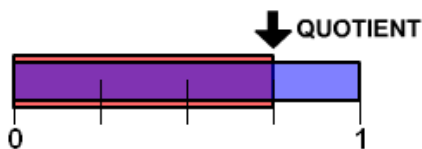
3.



$$1 \frac{1}{2} \div 1 \frac{1}{2} = \frac{3}{2} \div \frac{3}{2} = \frac{3}{2} \times \frac{2}{3} = \frac{6}{6} = 1$$

dividend divisor Write in fraction form. Multiply by the reciprocal simplify

4.

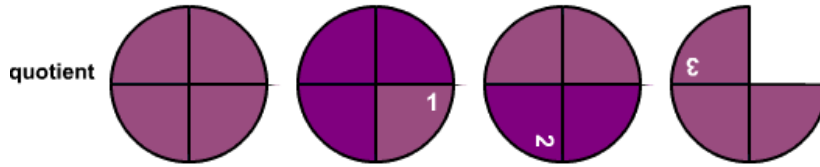


$$1 \frac{1}{2} \div 2 = \frac{3}{2} \div \frac{2}{1} = \frac{3}{2} \times \frac{1}{2} = \frac{3}{4}$$

dividend divisor Write in fraction form. Multiply by the reciprocal simplify

5 Divide Fractions 3 with Circles

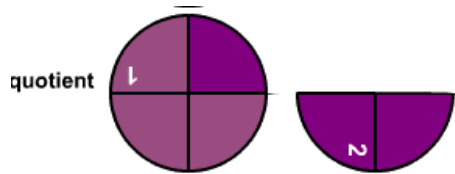
1.



$$3 \frac{3}{4} \div 1 \frac{1}{4} = \frac{15}{4} \div \frac{5}{4} = \frac{15}{4} \times \frac{4}{5} = \frac{60}{20} = 3$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

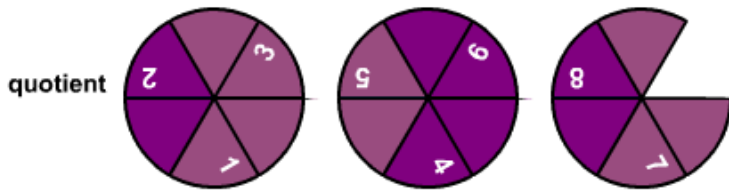
2.



$$1 \frac{1}{2} \div \frac{3}{4} = \frac{3}{2} \div \frac{3}{4} = \frac{3}{2} \times \frac{4}{3} = \frac{12}{6} = 2$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

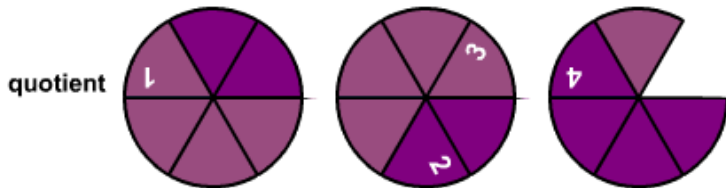
3.



$$2 \frac{5}{6} \div \frac{1}{3} = \frac{17}{6} \div \frac{1}{3} = \frac{17}{6} \times \frac{3}{1} = \frac{51}{6} = 8 \frac{1}{2}$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

4.

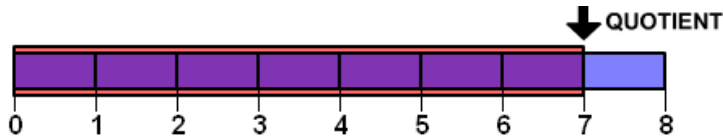


$$2 \frac{5}{6} \div \frac{2}{3} = \frac{17}{6} \div \frac{2}{3} = \frac{17}{6} \times \frac{3}{2} = \frac{51}{12} = 4 \frac{1}{4}$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

6. Divide Fractions 3 with Lines

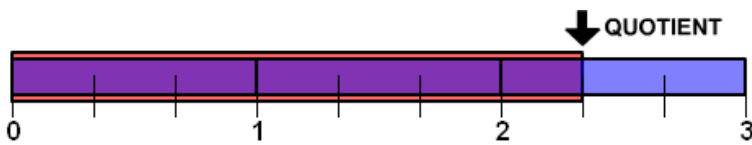
1.



$$3 \frac{1}{2} \div \frac{1}{2} = \frac{7}{2} \div \frac{1}{2} = \frac{7}{2} \times \frac{2}{1} = \frac{14}{2} = 7$$

dividend divisor Write in fraction form. Multiply by the reciprocal simplify

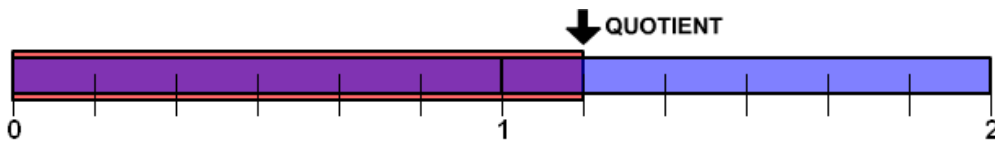
2.



$$3 \frac{1}{2} \div 1 \frac{1}{2} = \frac{7}{2} \div \frac{3}{2} = \frac{7}{2} \times \frac{2}{3} = \frac{14}{6} = 2 \frac{1}{3}$$

dividend divisor Write in fraction form. Multiply by the reciprocal simplify

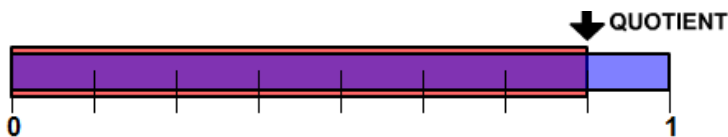
3.



$$3 \frac{1}{2} \div 3 = \frac{7}{2} \div \frac{3}{1} = \frac{7}{2} \times \frac{1}{3} = \frac{7}{6} = 1 \frac{1}{6}$$

dividend divisor Write in fraction form. Multiply by the reciprocal simplify

4.

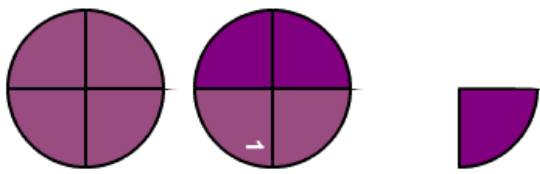


$$3 \frac{1}{2} \div 4 = \frac{7}{2} \div \frac{4}{1} = \frac{7}{2} \times \frac{1}{4} = \frac{7}{8}$$

dividend divisor Write in fraction form. Multiply by the reciprocal simplify

7. Divide Fractions with Circles and Lines

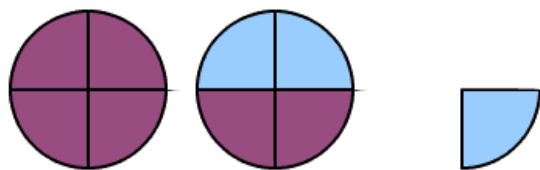
1.

quotient 

$$2 \frac{1}{4} \div 1 \frac{1}{2} = \frac{9}{4} \div \frac{3}{2} = \frac{9}{4} \times \frac{2}{3} = \frac{18}{12} = 1 \frac{1}{2}$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

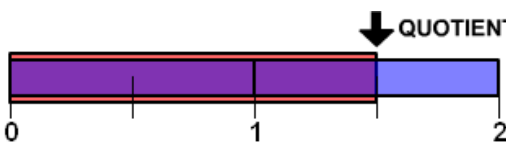
2.

quotient 

$$1 \frac{1}{2} \div 2 \frac{1}{4} = \frac{3}{2} \div \frac{9}{4} = \frac{3}{2} \times \frac{4}{9} = \frac{12}{18} = \frac{2}{3}$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

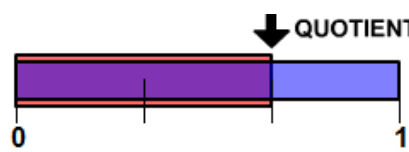
3.



$$2 \frac{1}{4} \div 1 \frac{1}{2} = \frac{9}{4} \div \frac{3}{2} = \frac{9}{4} \times \frac{2}{3} = \frac{18}{12} = 1 \frac{1}{2}$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

4.

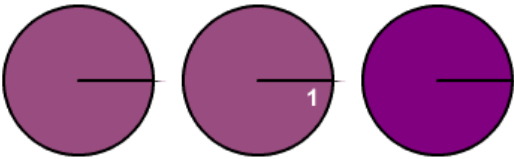


$$1 \frac{1}{2} \div 2 \frac{1}{4} = \frac{3}{2} \div \frac{9}{4} = \frac{3}{2} \times \frac{4}{9} = \frac{12}{18} = \frac{2}{3}$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

8. Divide Fractions with Circles and Lines

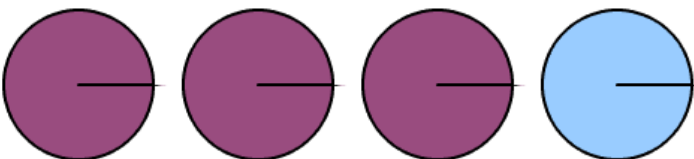
1.

quotient 

$$3 \div 2 = \frac{3}{1} \div \frac{2}{1} = \frac{3}{1} \times \frac{1}{2} = \frac{3}{2} = 1 \frac{1}{2}$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

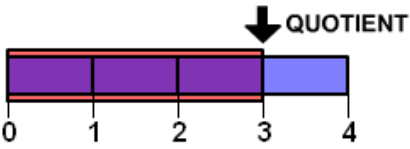
2.

quotient 

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

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

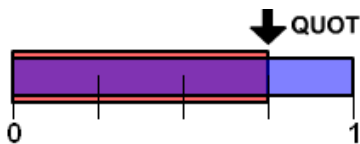
3.



$$1 \frac{1}{2} \div \frac{1}{2} = \frac{3}{2} \div \frac{1}{2} = \frac{3}{2} \times \frac{2}{1} = \frac{6}{2} = 3$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

4.



$$1 \frac{1}{2} \div 2 = \frac{3}{2} \div \frac{2}{1} = \frac{3}{2} \times \frac{1}{2} = \frac{3}{4}$$

dividend **divisor** Write in fraction form. Multiply by the reciprocal simplify

9. Divide Practice

$$1. \quad 1 \frac{5}{8} \div \frac{5}{8} = \frac{13}{8} \div \frac{5}{8} = \frac{13}{8} \times \frac{8}{5} = 2 \frac{3}{5}$$

$$2. \quad 1 \frac{5}{8} \div 1 \frac{5}{8} = \frac{13}{8} \div \frac{13}{8} = \frac{13}{8} \times \frac{8}{13} = 1$$

$$3. \quad 1 \frac{5}{8} \div 2 \frac{5}{8} = \frac{13}{8} \div \frac{21}{8} = \frac{13}{8} \times \frac{8}{21} = \frac{13}{21}$$

$$4. \quad \frac{5}{6} \div 2 \frac{1}{2} = \frac{5}{6} \div \frac{5}{2} = \frac{5}{6} \times \frac{2}{5} = \frac{1}{3}$$

$$5. \quad 1 \frac{5}{6} \div 2 \frac{1}{2} = \frac{11}{6} \div \frac{5}{2} = \frac{11}{6} \times \frac{2}{5} = \frac{11}{15}$$

$$6. \quad 2 \frac{5}{6} \div 2 \frac{1}{2} = \frac{17}{6} \div \frac{5}{2} = \frac{17}{6} \times \frac{2}{5} = 1 \frac{2}{15}$$

$$7. \quad 2 \frac{5}{6} \div 1 \frac{1}{2} = \frac{17}{6} \div \frac{3}{2} = \frac{17}{6} \times \frac{2}{3} = 1 \frac{8}{9}$$

$$8. \quad 2 \frac{5}{6} \div 1 \frac{1}{3} = \frac{17}{6} \div \frac{4}{3} = \frac{17}{6} \times \frac{3}{4} = 2 \frac{1}{8}$$

$$9. \quad 2 \frac{5}{6} \div 1 = \frac{17}{6} \div \frac{1}{1} = \frac{17}{6} \times \frac{1}{1} = 2 \frac{5}{6}$$

$$10. \quad 2 \frac{5}{6} \div \frac{2}{3} = \frac{17}{6} \div \frac{2}{3} = \frac{17}{6} \times \frac{3}{2} = 4 \frac{1}{4}$$

$$11. \quad 2 \frac{5}{6} \div \frac{1}{3} = \frac{17}{6} \div \frac{1}{3} = \frac{17}{6} \times \frac{3}{1} = 8 \frac{1}{2}$$

$$12. \quad 2 \frac{5}{6} \div \frac{1}{6} = \frac{17}{6} \div \frac{1}{6} = \frac{17}{6} \times \frac{6}{1} = 17$$