Divide Fractions Answers

1. Divide Fractions 1 with Circles

1.

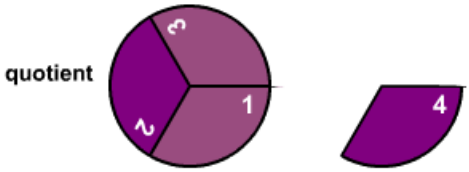
$\frac{2}{3} \div \frac{1}{3} =$

dividend divisor

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

Multiply by the reciprocal simplify

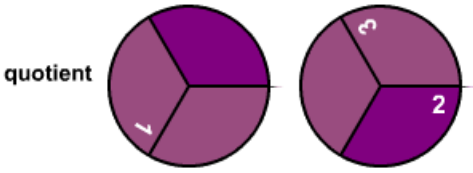
2.



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

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

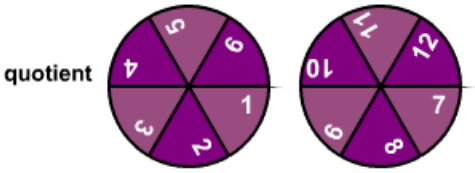
3.



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

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

4.

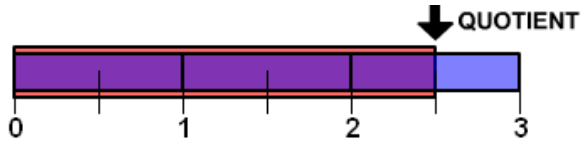


$2 \div \frac{1}{6} = \frac{2}{1} \div \frac{1}{6} = \frac{2}{1} \times \frac{6}{1} = \frac{12}{1} =$ 12

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

2. Divide Fractions 1 with Lines

1.



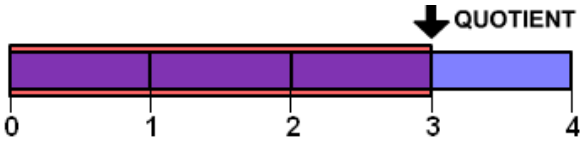
$2\frac{1}{2} \div 1 =$

dividend divisor

$2\frac{1}{2}$

division by 1

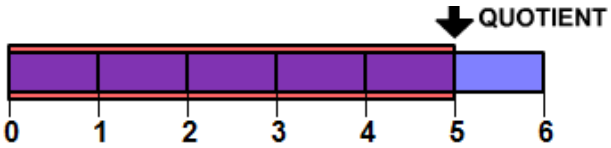
2.



$2\frac{1}{2} \div \frac{5}{6} = \frac{5}{2} \div \frac{5}{6} = \frac{5}{2} \times \frac{6}{5} = \frac{30}{10} = 3$

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

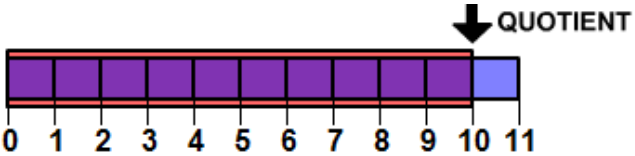
3.



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

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

4.

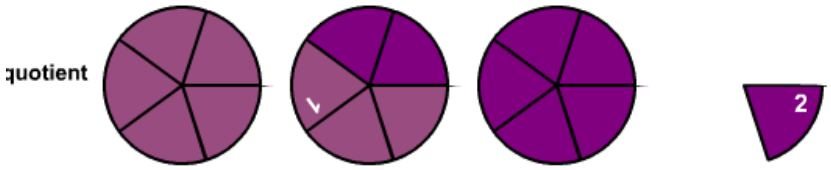


$2\frac{1}{2} \div \frac{1}{4} = \frac{5}{2} \div \frac{1}{4} = \frac{5}{2} \times \frac{4}{1} = \frac{20}{2} = 10$

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

3. Divide Fractions 2 with Circles

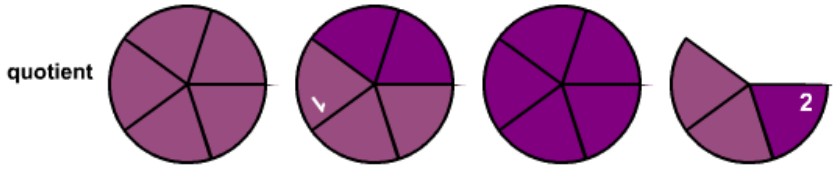
1.



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

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

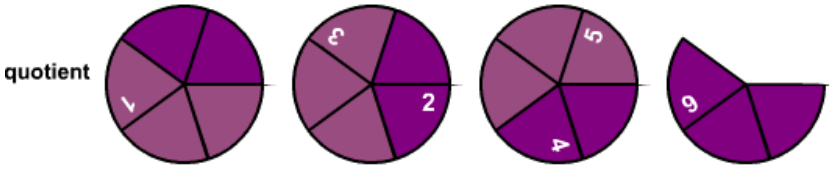
2.



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

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

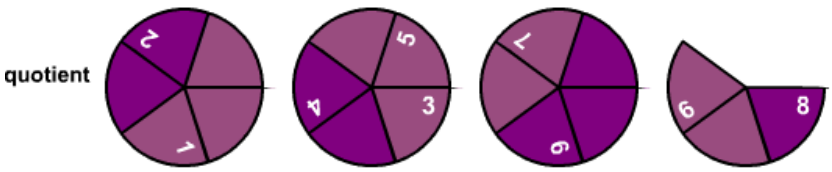
3.



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

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

4.

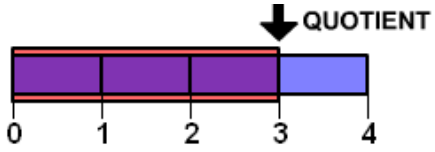


$3\frac{3}{5} \div \frac{2}{5} = \frac{18}{5} \div \frac{2}{5} = \frac{18}{5} \times \frac{5}{2} = \frac{90}{10} = 9$

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

4. Divide Fractions 2 with Lines

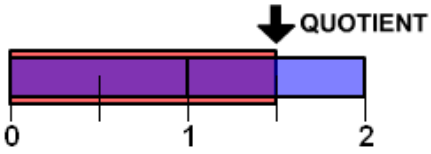
1.



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

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

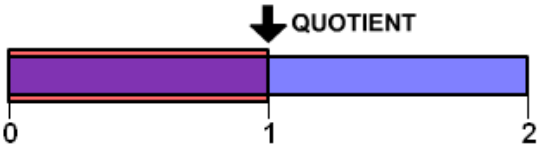
2.



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

dividend — divisor — division by 1

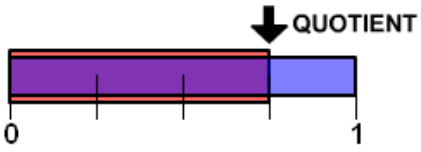
3.



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

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

4.

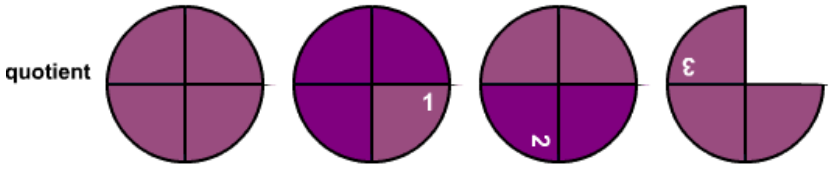


$1\frac{1}{2} \div 2 = \frac{3}{2} \div \frac{2}{1} = \frac{3}{2} \times \frac{1}{2} = \frac{3}{4} = \frac{3}{4}$

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

5 Divide Fractions 3 with Circles

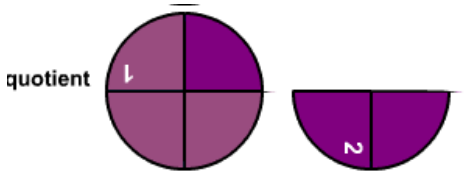
1.



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

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

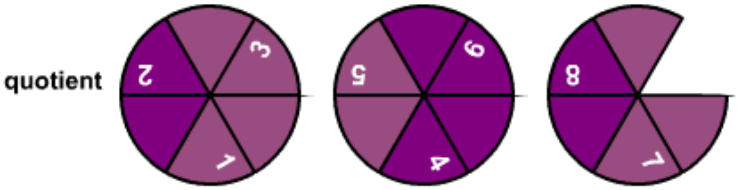
2.



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

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

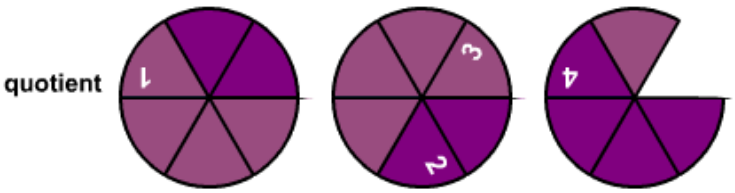
3.



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

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

4.

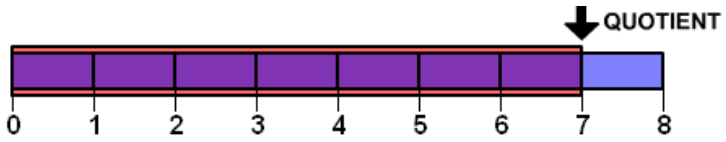


$2\frac{5}{6} \div \frac{2}{3} = \frac{17}{6} \div \frac{2}{3} = \frac{17}{6} \times \frac{3}{2} = \frac{51}{12} = 4\frac{1}{4}$

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

6. Divide Fractions 3 with Lines

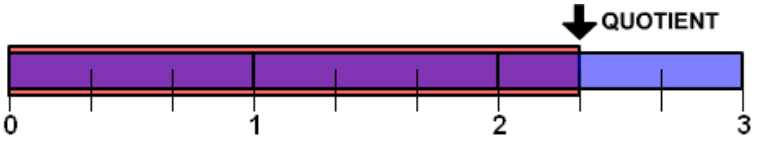
1.



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

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

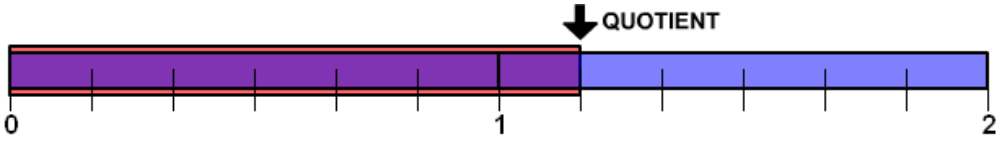
2.



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

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

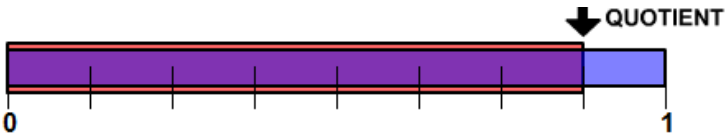
3.



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

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

4.

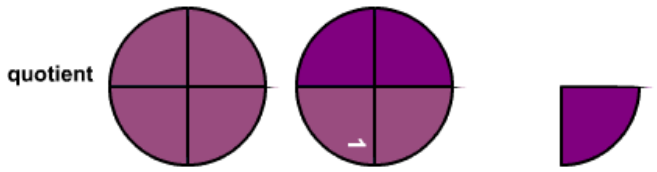


$3\frac{1}{2} \div 4 = \frac{7}{2} \div \frac{4}{1} = \frac{7}{2} \times \frac{1}{4} = \frac{7}{8} = \frac{7}{8}$

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

7. Divide Fractions with Circles and Lines

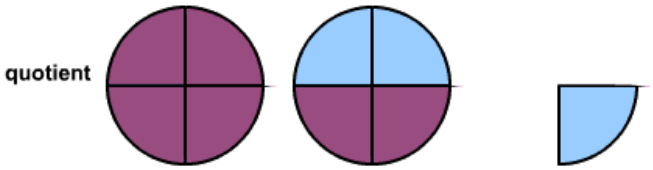
1.



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

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

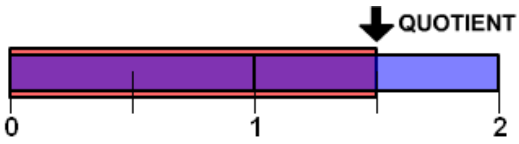
2.



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

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

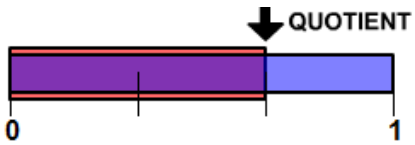
3.



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

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

4.

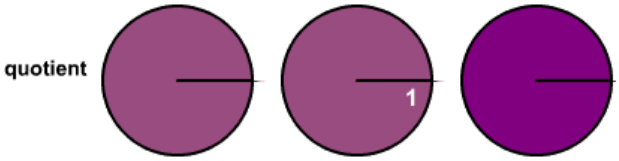


$1\frac{1}{2} \div 2\frac{1}{4} = \frac{3}{2} \div \frac{9}{4} = \frac{3}{2} \times \frac{4}{9} = \frac{12}{18} = \frac{2}{3}$

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

8. Divide Fractions with Circles and Lines

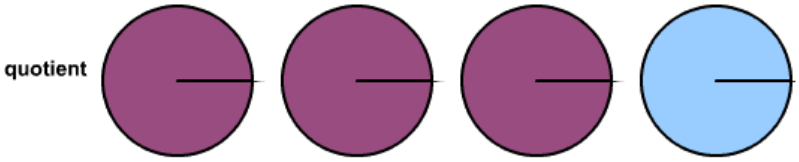
1.



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

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

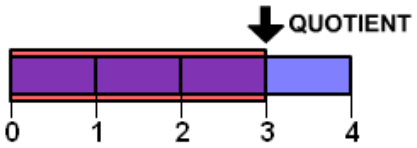
2.



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

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

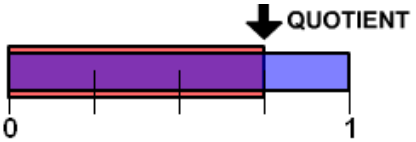
3.



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

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

4.



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

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

9. Divide Practice

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

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

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

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

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

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

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

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

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

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

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

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