



Dividing Fractions

I can multiply simple pairs of proper fractions, writing the answer in its simplest form.



Calculate the answer, show your working out.

1. $\frac{4}{6} \div 6$

2. $\frac{2}{5} \div 8$

3. $\frac{4}{6} \div 3$

4. $\frac{2}{6} \div 5$

5. $\frac{4}{8} \div 4$

6. $\frac{6}{7} \div 10$

7. $\frac{4}{5} \div 6$

8. $\frac{2}{6} \div 11$



Dividing Fractions Answers

Calculate the answer, show your working out.

1.

$$\frac{4}{6} \div 6$$
$$\frac{4}{6} \times \frac{1}{6} = \frac{4}{36} = \frac{1}{9}$$

2.

$$\frac{2}{5} \div 8$$
$$\frac{2}{5} \times \frac{1}{8} = \frac{2}{40} = \frac{1}{20}$$

3.

$$\frac{4}{6} \div 3$$
$$\frac{4}{6} \times \frac{1}{3} = \frac{4}{18} = \frac{2}{9}$$

4.

$$\frac{2}{6} \div 5$$
$$\frac{2}{6} \times \frac{1}{5} = \frac{2}{30} = \frac{1}{15}$$

5.

$$\frac{4}{8} \div 4$$
$$\frac{4}{8} \times \frac{1}{4} = \frac{4}{32} = \frac{1}{8}$$

6.

$$\frac{6}{7} \div 10$$
$$\frac{6}{7} \times \frac{1}{10} = \frac{6}{70} = \frac{3}{35}$$

7.

$$\frac{4}{5} \div 6$$
$$\frac{4}{5} \times \frac{1}{6} = \frac{4}{30} = \frac{2}{15}$$


8.

$$\frac{2}{6} \div 11$$
$$\frac{2}{6} \times \frac{1}{11} = \frac{2}{66} = \frac{1}{33}$$



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Calculate the answer, show your working out.

1. $\frac{4}{5} \div 6$

2. $\frac{6}{8} \div 5$

3. $\frac{9}{21} \div 3$

4. $\frac{16}{24} \div 10$

5. $\frac{20}{32} \div 5$

6. $\frac{4}{25} \div 6$

7. $\frac{12}{15} \div 5$

8. $\frac{10}{18} \div 4$



Dividing Fractions Answers

Calculate the answer, show your working out.

1.

$$\frac{4}{5} \div 6$$
$$\frac{4}{5} \times \frac{1}{6} = \frac{4}{30} = \frac{2}{15}$$

2.

$$\frac{6}{8} \div 5$$
$$\frac{6}{8} \times \frac{1}{5} = \frac{6}{40} = \frac{3}{20}$$

3.

$$\frac{9}{21} \div 3$$
$$\frac{9}{21} \times \frac{1}{3} = \frac{9}{63} = \frac{1}{7}$$

4.

$$\frac{16}{24} \div 10$$
$$\frac{16}{24} \times \frac{1}{10} = \frac{16}{240} = \frac{1}{15}$$

5.

$$\frac{20}{32} \div 5$$
$$\frac{20}{32} \times \frac{1}{5} = \frac{20}{160} = \frac{1}{8}$$

6.

$$\frac{4}{25} \div 6$$
$$\frac{4}{25} \times \frac{1}{6} = \frac{4}{150} = \frac{2}{75}$$

7.

$$\frac{12}{15} \div 5$$
$$\frac{12}{15} \times \frac{1}{5} = \frac{12}{75} = \frac{4}{25}$$

8.

$$\frac{10}{18} \div 4$$
$$\frac{10}{18} \times \frac{1}{4} = \frac{10}{72} = \frac{5}{36}$$



Dividing Fractions

I can multiply simple pairs of proper fractions, writing the answer in its simplest form.



Calculate the answer, show your working out.

1. $\frac{18}{30} \div 4$	2. $\frac{28}{49} \div 8$
3. $\frac{24}{40} \div 6$	4. $\frac{45}{60} \div 9$

Look at this example where a proper fraction is divided by another proper fraction:

$$\frac{5}{8} \div \frac{5}{11} = \frac{5}{8} \times \frac{11}{5} = \frac{55}{40} = \frac{11}{8} = 1\frac{3}{8}$$

The rules are quite simple. You flip the second fraction over and change the division sign to a multiplication sign. The answer may be an improper fraction, so be prepared to convert to a mixed number.

5. $\frac{4}{5} \div \frac{3}{8}$	6. $\frac{6}{8} \div \frac{4}{5}$
7. $\frac{4}{7} \div \frac{3}{6}$	8. $\frac{8}{12} \div \frac{4}{10}$



Dividing Fractions Answers

Calculate the answer, show your working out.

1. $\frac{18}{30} \div 4$ $\frac{3}{5} \times \frac{1}{4} = \frac{3}{20}$	2. $\frac{28}{49} \div 8$ $\frac{4}{7} \times \frac{1}{8} = \frac{4}{56} = \frac{1}{14}$
3. $\frac{24}{40} \div 6$ $\frac{3}{5} \times \frac{1}{6} = \frac{3}{30} = \frac{1}{10}$	4. $\frac{45}{60} \div 9$ $\frac{3}{4} \times \frac{1}{9} = \frac{3}{36} = \frac{1}{12}$

Look at this example where a proper fraction is divided by another proper fraction:

$$\frac{5}{8} \div \frac{5}{11} = \frac{5}{8} \times \frac{11}{5} = \frac{55}{40} = \frac{11}{8} = 1 \frac{3}{8}$$

The rules are quite simple. You flip the second fraction over and change the division sign to a multiplication sign. The answer may be an improper fraction, so be prepared to convert to a mixed number.

5. $\frac{4}{5} \div \frac{3}{8}$ $\frac{4}{5} \times \frac{8}{3} = \frac{32}{15} = 2 \frac{2}{15}$	6. $\frac{6}{8} \div \frac{4}{5}$ $\frac{6}{8} \times \frac{5}{4} = \frac{30}{32} = \frac{15}{16}$
7. $\frac{4}{7} \div \frac{3}{6}$ $\frac{4}{7} \times \frac{6}{3} = \frac{8}{7} = 1 \frac{1}{7}$	8. $\frac{8}{12} \div \frac{4}{10}$ $\frac{8}{12} \times \frac{10}{4} = \frac{5}{3} = 1 \frac{2}{3}$