

Worksheet: Multiplying and Dividing Fractions

This worksheet has questions to help you practice multiplying and dividing fractions.

Model answers to
this sheet



Multiplying and Dividing
Fractions study guide



1. Calculate the following multiplications, you will not need to cancel down your answer.

(a) $\frac{1}{2} \times \frac{1}{3}$ (b) $\frac{2}{5} \times \frac{1}{7}$ (c) $\frac{2}{3} \times \frac{5}{7}$ (d) $\frac{1}{4} \times \frac{7}{9}$

2. Calculate the following divisions, you will not need to cancel down your answer.

(a) $\frac{1}{2} \div \frac{1}{3}$ (b) $\frac{2}{5} \div \frac{1}{7}$ (c) $\frac{2}{3} \div \frac{5}{7}$ (d) $\frac{1}{4} \div \frac{7}{9}$

3. Calculate the following multiplications, you may need to cancel down some of the answers to their simplest form.

(a) $\frac{1}{4} \times \frac{2}{3}$ (b) $\frac{5}{6} \times \frac{3}{10}$ (c) $\frac{2}{3} \times \frac{4}{5}$ (d) $\frac{3}{4} \times \frac{8}{15}$
(e) $\frac{1}{5} \times \frac{2}{5}$ (f) $\frac{2}{3} \times \frac{4}{10}$ (g) $\frac{4}{7} \times \frac{21}{40}$ (h) $\frac{12}{41} \times \frac{7}{12}$

(i) $\frac{3}{100} \times \frac{4}{9}$ (j) $\frac{3}{4} \times \frac{2}{3} \times \frac{1}{6}$

4. Calculate the following divisions, you may need to cancel down some of the answers to their simplest form.

(a) $\frac{2}{3} \div \frac{1}{3}$ (b) $\frac{5}{6} \div \frac{5}{6}$ (c) $\frac{2}{7} \div \frac{4}{7}$ (d) $\frac{2}{5} \div \frac{1}{10}$
(e) $\frac{3}{4} \div \frac{3}{8}$ (f) $\frac{8}{9} \div \frac{4}{5}$ (g) $\frac{2}{11} \div \frac{5}{22}$ (h) $\frac{8}{9} \div \frac{2}{27}$
(i) $\frac{3}{100} \div \frac{1}{10}$ (j) $\frac{2}{3} \div \frac{1}{4}$ (k) $\frac{50}{1000} \div \frac{500}{1000}$

5. Calculate the following multiplications and divisions which involve fractions and whole numbers. You may need to cancel down some of the answers to their simplest form.

(a) $2 \times \frac{2}{3}$ (b) $8 \times \frac{3}{10}$ (c) $\frac{2}{3} \times 4$ (d) $\frac{3}{4} \times 8$
(e) $2 \div \frac{1}{3}$ (f) $8 \div \frac{4}{5}$ (g) $\frac{2}{11} \div 5$ (h) $\frac{8}{9} \div 2$
(i) $2 \times \frac{1}{2}$ (j) $8 \times \frac{3}{8}$ (k) $\frac{2}{3} \div 2$ (l) $\frac{3}{4} \div 6$



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