



Printable Assessments CAMI Maths: Grade 8

Multiply or divide fractions

1. Multiply the following fractions.

1.1 $5\frac{4}{9} \times 1\frac{1}{2}$

1.2 $1\frac{4}{5} \times 3\frac{2}{7}$

1.3 $4\frac{3}{5} \times 3\frac{3}{7}$

1.4 $5\frac{3}{5} \times 6\frac{1}{3}$

1.5 $4\frac{1}{3} \times 5\frac{1}{3}$

2. Determine the fraction of a whole.

2.1 $\frac{4}{7}$ of 11

2.2 $\frac{5}{6}$ of 12

2.3 $\frac{7}{9}$ of 8

2.4 $\frac{13}{15}$ of 17

2.5 $\frac{13}{29}$ of 28

3. Divide the following fractions.

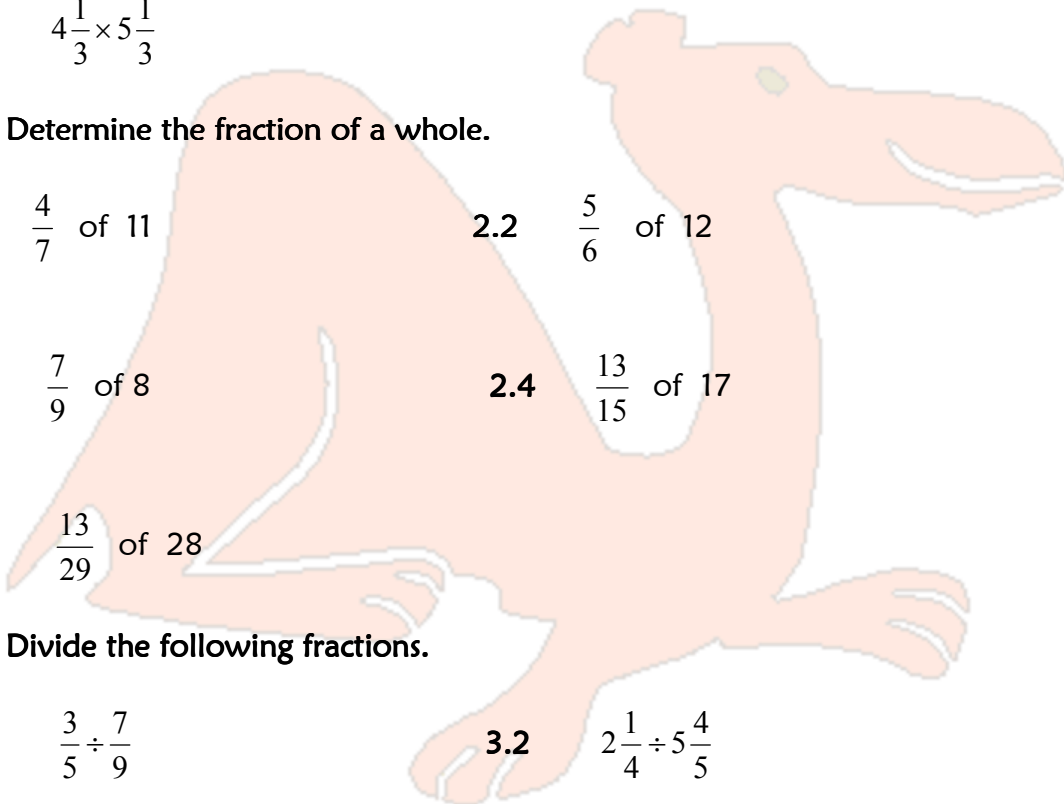
3.1 $\frac{3}{5} \div \frac{7}{9}$

3.2 $2\frac{1}{4} \div 5\frac{4}{5}$

3.3 $2\frac{1}{2} \div 1\frac{4}{5}$

3.4 $2\frac{1}{2} \div 1\frac{4}{5}$

3.5 $\frac{5}{6} \div \frac{7}{13}$





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MEMO

1. Multiply the following fractions.

[2.2.5.5 ; 2.2.2.6]

1.1

$$5\frac{4}{9} \times 1\frac{1}{2} = \frac{49}{9} \times \frac{3}{2} = \frac{147}{18} = \frac{49}{6} = 8\frac{1}{6}$$

1.2

$$1\frac{4}{5} \times 3\frac{2}{7} = \frac{9}{5} \times \frac{23}{7} = \frac{207}{35} = 5\frac{32}{35}$$

1.3

$$4\frac{3}{5} \times 3\frac{3}{7} = \frac{23}{5} \times \frac{24}{7} = \frac{552}{35} = 15\frac{27}{35}$$

1.4

$$5\frac{3}{5} \times 6\frac{1}{3} = \frac{28}{5} \times \frac{19}{3} = \frac{532}{15} = 15\frac{7}{15}$$

1.5

$$4\frac{1}{3} \times 5\frac{1}{3} = \frac{13}{3} \times \frac{16}{3} = \frac{208}{9} = 23\frac{1}{9}$$

2. Determine the fraction of a whole.

[2.2.5.7 to 2.2.5.10]

2.1

$$\frac{4}{7} \times \frac{11}{1} = \frac{44}{7} = 6\frac{2}{7}$$

2.2

$$\frac{5}{6} \times \frac{12}{1} = \frac{60}{6} = 10$$

2.3

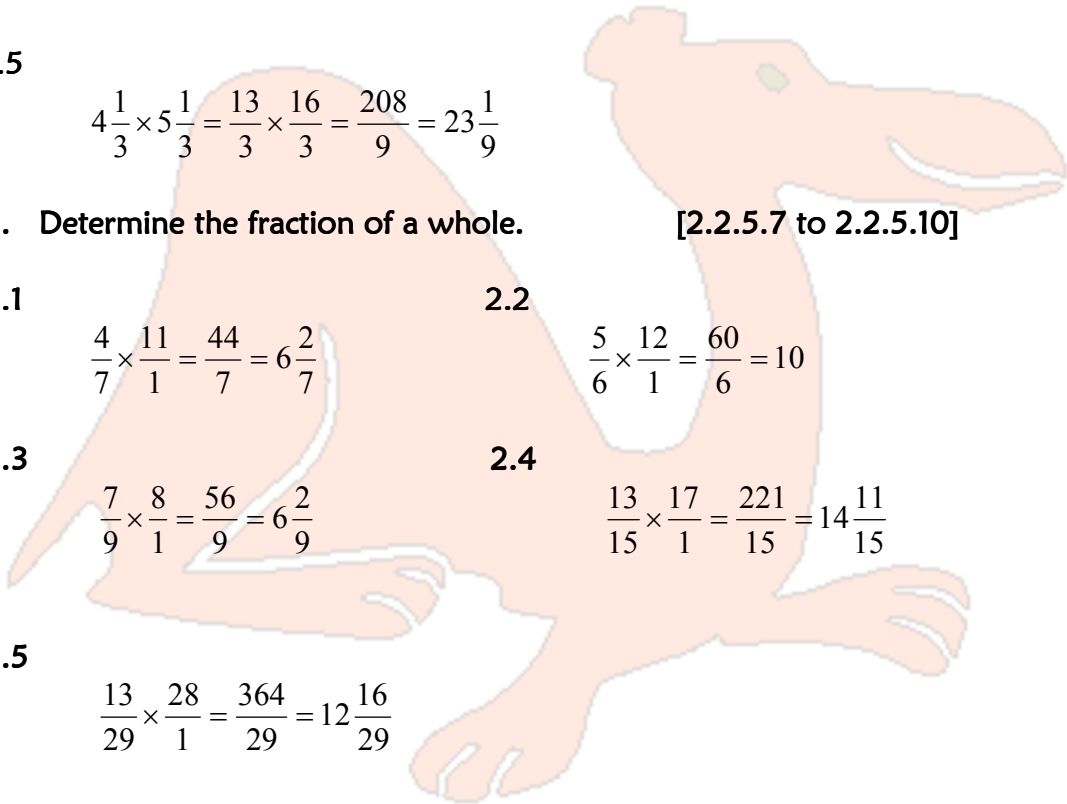
$$\frac{7}{9} \times \frac{8}{1} = \frac{56}{9} = 6\frac{2}{9}$$

2.4

$$\frac{13}{15} \times \frac{17}{1} = \frac{221}{15} = 14\frac{11}{15}$$

2.5

$$\frac{13}{29} \times \frac{28}{1} = \frac{364}{29} = 12\frac{16}{29}$$





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3. Divide the following fractions.

[2.2.6.1 to 2.2.6.6]

3.1

$$\frac{3}{5} \div \frac{7}{9} = \frac{3}{5} \times \frac{9}{7} = \frac{27}{35}$$

3.2

$$\frac{9}{10} \div \frac{3}{4} = \frac{9}{10} \times \frac{4}{3} = \frac{36}{30} = 1\frac{1}{5}$$

3.3

$$2\frac{1}{4} \div 5\frac{4}{5} = \frac{9}{4} \div \frac{29}{5} = \frac{9}{4} \times \frac{5}{29} = \frac{45}{116}$$

3.4

$$2\frac{1}{2} \div 1\frac{4}{5} = \frac{5}{2} \div \frac{9}{5} = \frac{5}{2} \times \frac{5}{9} = \frac{25}{18}$$

3.5

$$\frac{5}{6} \times \frac{13}{7} = \frac{65}{42}$$

