# Answer key

**The method: Reciprocals**

Flip the fraction: the reciprocal of 3/4 is 4/3. A number times its reciprocal is 1.

Reciprocal of $\frac{3}{5} = \frac{5}{3}$

flip $\frac{3}{5} \rightarrow \frac{5}{3}$

$\frac{3}{5} \times \frac{5}{3} = 1$ check: the product is 1

Reciprocal of $3 = \frac{1}{3}$

$3 = \frac{3}{1}$ a whole number is itself over 1

flip $\frac{3}{1} \rightarrow \frac{1}{3}$

$\frac{3}{1} \times \frac{1}{3} = 1$ check: the product is 1

Reciprocal of $4\frac{2}{5} = \frac{5}{22}$

$4\frac{2}{5} = \frac{22}{5}$ change to an improper fraction first

flip $\frac{22}{5} \rightarrow \frac{5}{22}$

$\frac{22}{5} \times \frac{5}{22} = 1$ check: the product is 1

**Problems 1 and 2 worked out · Version 0A**

Reciprocal of $\frac{9}{11} = \frac{11}{9}$

flip $\frac{9}{11} \rightarrow \frac{11}{9}$

$\frac{9}{11} \times \frac{11}{9} = 1$ check: the product is 1

Reciprocal of $\frac{1}{2} = 2$

flip $\frac{1}{2} \rightarrow 2$

$\frac{1}{2} \times 2 = 1$ check: the product is 1

**Reciprocals · Version 0A**

1) $\frac{11}{9}$ 2) 2 3) $\frac{1}{12}$ 4) 8 5) $\frac{1}{8}$ 6) $\frac{11}{4}$ 7) $\frac{6}{25}$ 8) $\frac{2}{5}$

9) $\frac{4}{19}$ 10) $\frac{3}{7}$ 11) $\frac{1}{7}$ 12) $\frac{5}{23}$ 13) $\frac{5}{19}$ 14) $\frac{11}{2}$

15) $\frac{3}{2}$ 16) $\frac{1}{3}$ 17) 2 18) $\frac{10}{7}$ 19) $\frac{5}{17}$ 20) $\frac{9}{2}$

21) $\frac{10}{3}$ 22) $\frac{5}{17}$ 23) $\frac{4}{3}$ 24) 2 25) 2 26) $\frac{7}{5}$ 27) $\frac{3}{2}$

28) 7 29) $\frac{1}{6}$ 30) $\frac{6}{5}$