



## DIVIDING WHOLE NUMBERS BY FRACTIONS 1

To divide a whole number by a fraction, follow these 3 simple steps:

- Change the whole number into a fraction by putting it over a denominator of 1.
- Invert the divisor fraction (swap the numerator and denominator of the second fraction) and change the division operator to a multiplication operator.
- Multiply the two fractions together.



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

Work out these fraction divisions. Your answer can be left as an improper fraction.

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

2)  $3 \div \frac{1}{5} = \frac{3}{1} \div \frac{1}{5} = \frac{3}{1} \times \frac{5}{1} = \underline{\quad} =$

3)  $7 \div \frac{3}{4} = \frac{7}{1} \div \frac{3}{4} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$

4)  $10 \div \frac{3}{5} = \frac{10}{1} \div \frac{3}{5} =$

5)  $2 \div \frac{4}{9} = \frac{2}{1} \div \frac{4}{9} =$

6)  $9 \div \frac{3}{10} =$

7)  $1 \div \frac{4}{9} =$

8)  $6 \div \frac{3}{7} =$

Name

Date



## DIVIDING WHOLE NUMBERS BY FRACTIONS 1 ANSWERS

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

$$2) \quad 3 \div \frac{1}{5} = \frac{3}{1} \div \frac{1}{5} = \frac{3}{1} \times \frac{5}{1} = \frac{15}{1} = 15$$

$$3) \quad 7 \div \frac{3}{4} = \frac{7}{1} \div \frac{3}{4} = \frac{7}{1} \times \frac{4}{3} = \frac{28}{3}$$

$$4) \quad 10 \div \frac{3}{5} = \frac{10}{1} \div \frac{3}{5} = \frac{10}{1} \times \frac{5}{3} = \frac{50}{3}$$

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

$$6) \quad 9 \div \frac{3}{10} = \frac{9}{1} \div \frac{3}{10} = \frac{9}{1} \times \frac{10}{3} = \frac{90}{3} = 30$$

$$7) \quad 1 \div \frac{4}{9} = \frac{1}{1} \div \frac{4}{9} = \frac{1}{1} \times \frac{9}{4} = \frac{9}{4}$$

$$8) \quad 6 \div \frac{3}{7} = \frac{6}{1} \div \frac{3}{7} = \frac{6}{1} \times \frac{7}{3} = \frac{42}{3} = 14$$