

DIVIDING FRACTIONS

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

1.

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

2.

$$\frac{3}{4} \div \frac{1}{2}$$

3.

$$\frac{2}{3} \div \frac{4}{5}$$

4.

$$\frac{5}{6} \div \frac{2}{3}$$

5.

$$\frac{7}{8} \div \frac{3}{4}$$

6.

$$\frac{4}{5} \div \frac{1}{10}$$

7.

$$\frac{2}{7} \div \frac{3}{14}$$

8.

$$\frac{5}{9} \div \frac{10}{27}$$

9.

$$\frac{11}{12} \div \frac{5}{6}$$

10.

$$\frac{3}{8} \div \frac{9}{16}$$

11.

$$\frac{7}{10} \div \frac{21}{25}$$

12.

$$4/15 \div 8/45$$

13.

$$13/20 \div 39/50$$

14.

$$5/12 \div 25/36$$

15.

$$17/24 \div 51/72$$

16.

$$19/30 \div 57/90$$

MASTER QUESTIONS



M1.

A recipe requires $3/4$ cup of flour to make 12 biscuits. How much flour is needed for one biscuit?

A ribbon measuring $5/6$ metre is cut into pieces each $1/12$ metre long. How many pieces are obtained?

A car uses $2/3$ litre of petrol to travel 25 kilometres. How far can it travel on 1 litre of petrol?

A water tank contains $7/8$ of its capacity. If this is divided equally among 14 containers, what fraction of the tank's capacity does each container hold?

A piece of wood $4/5$ metre long is cut into sections each $2/15$ metre long. How many sections are produced?

A recipe calls for $2/3$ kilogram of sugar to make 24 cupcakes. How much sugar is needed for 8 cupcakes?

A painter uses $3/4$ litre of paint to cover 15 square metres. How much paint is needed for 5 square metres?

A rope $1 1/12$ metre long is cut into pieces each $1/6$ metre long. How many complete pieces can be made?

M9.

A container holds $\frac{5}{6}$ litre of juice. If this is poured into glasses each holding $\frac{1}{8}$ litre, how many full glasses can be filled?

A factory produces $\frac{7}{8}$ tonne of material per hour. How many hours does it take to produce $2\frac{1}{4}$ tonnes?