DIVIDING FRACTIONS

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

MAIN QUESTIONS

1.

$1/2 \div 1/4$

| 2

2.

$3/4 \div 1/2$

| 3/2

3.

$2/3 \div 4/5$

| 5/6

4.

$5/6 \div 2/3$

| 5/4

5.

$7/8 \div 3/4$

| 7/6

6.

$4/5 \div 1/10$

| 8

7.

$2/7 \div 3/14$

| 4/3

8.

5/9 ÷ 10/27

| 3/2

9.

11/12 ÷ 5/6

| 11/10

10.

3/8 ÷ 9/16

| 2/3

11.

7/10 ÷ 21/25

| 5/6

12.

4/15 ÷ 8/45

| 3/2

13.

13/20 ÷ 39/50

| 5/6

14.

5/12 ÷ 25/36

| 3/5

15.

17/24 ÷ 51/72

| 1

16.

19/30 ÷ 57/90

| 1

MASTER QUESTIONS

M1.

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

1/16 cup

M2.

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

10 pieces

M3.

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

37.5 kilometres

M4.

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?

1/16

M5.

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

6 sections

M6.

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

2/9 kilogram

M7.

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

1/4 litre

M8.

A rope 11/12 metre long is cut into pieces each 1/6 metre long. How many complete pieces can be made?

5 pieces

M9.

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

6 glasses

A factory produces 7/8 tonne of material per hour. How many hours does it take to produce 21/4 tonnes?

6 hours