DIVIDING FRACTIONS

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

MAIN QUESTIONS

1.

1/2 ÷ 1/4

> 2

2.

3/4 ÷ 1/2

> 3/2

3.

2/3 ÷ 4/5

> 5/6

4.

5/6 ÷ 2/3

> 5/4

5.

7/8 ÷ 1/4

> 7/2

6.

4/5 ÷ 3/10

> 8/3

7.

9/10 ÷ 3/5

> 3/2

8.

11/12 ÷ 2/3

> 11/8

9.

5 ÷ 1/3

> 15

10.

8 ÷ 2/5

> 20

11.

1/2 ÷ 3

> 1/6

12.

3/4 ÷ 6

> 1/8

13.

2 1/2 ÷ 1/4

> 10

14.

3 1/3 ÷ 2/3

> 5

15.

4 2/5 ÷ 1 1/5

> 11/3

16.

5 3/4 ÷ 2 1/2

> 23/10

17.

7/8 ÷ 0.5

> 7/4

18.

2/3 ÷ 0.25

> 8/3

19.

1 1/4 ÷ 0.2

> 25/4

20.

3/7 ÷ 2/7

> 3/2

21.

5/9 ÷ 10/27

> 3/2

22.

12/13 ÷ 6/13

> 2

23.

15/16 ÷ 5/8

> 3/2

24.

7/12 ÷ 14/15

> 5/8

25.

8/9 ÷ 16/27

> 3/2

26.

11/15 ÷ 22/45

> 3/2

27.

13/18 ÷ 26/27

> 3/4

28.

17/20 ÷ 34/35

> 7/8

29.

19/24 ÷ 38/48

> 1

30.

23/30 ÷ 46/60

> 1

MASTER QUESTIONS

M1.

A recipe requires 3/4 cup of flour to make 12 biscuits. How much flour is needed for 1 biscuit?

1/16 cup

M2.

A 5 metre ribbon is cut into pieces that are each 1/3 metre long. How many pieces are there?

15 pieces

M3.

A car uses 2/5 of a litre of petrol to travel 10 kilometres. How far can it travel on 1 litre?

25 kilometres

M4.

A water tank contains 120 litres. If each bucket holds 3/8 of a litre, how many buckets can be filled?

320 buckets

M5.

A piece of wood 4 1/2 metres long is cut into sections that are each 3/4 metre long. How many sections are created?

6 sections

M6.

A recipe calls for 2 1/4 cups of sugar to make 18 cupcakes. How much sugar is needed for 6 cupcakes?

3/4 cup

M7.

A painter uses 3/5 of a tin of paint to cover 15 square metres. How much paint is needed for 1 square metre?

1/25 tin

M8.

A cyclist travels 7 1/2 kilometres in 5/6 of an hour. What is their speed in kilometres per hour?

9 kilometres per hour

M9.

A bag of flour weighing 2 1/2 kilograms is divided into packets that each hold 1/8 kilogram. How many packets are filled?

> 20 packets

M10.

A rectangular garden has an area of 12 3/4 square metres and a width of 2 1/2 metres. What is its length?

> 5 1/10 metres