MULTIPLYING FRACTIONS

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

MAIN QUESTIONS

1. $1/2 \times 1/3$

2. $2/3 \times 3/4$

3. $3/5 \times 2/7$

4. $4/9 \times 3/8$

5. $5/6 \times 9/10$

6. $7/8 \times 4/5$

7. $2/11 \times 11/4$

8. $3/7 \times 14/9$

9. $5/12 \times 8/15$

10. $6/13 \times 26/9$

11. $2\ 1/2 \times 3/5$

12. $1\ 3/4 \times 2/7$

13. $3\ 1/3 \times 2/5$

14. $2\ 2/5 \times 5/8$

15. $4\ 1/6 \times 3/5$

16. $1/2 \times 2/3 \times 3/4$

17. $2/5 \times 3/7 \times 5/6$

18. $3/8 \times 4/9 \times 6/7$

19. $5/6 \times 9/10 \times 4/3$

20. $7/12 \times 8/21 \times 9/4$

21. $2\ 1/3 \times 1\ 1/2$

22. $3\ 1/4 \times 2\ 2/3$

23.

1 5/8 × 2 2/5

24.

4 2/7 × 1 3/4

25.

2 3/5 × 3 1/3

26.

1/2 × 0.75

27.

2/3 × 1.5

28.

3/4 × 0.8

29.

5/6 × 2.4

30.

7/8 × 1.6

MASTER QUESTIONS

M1.

A recipe requires 3/4 cup of flour per batch. How much flour is needed for 2 1/2 batches?

M2.

A rectangular garden is 5 1/3 metres long and 3 3/4 metres wide. What is its area?

M3.

If a car travels at 56 2/5 km/h for 1 1/4 hours, how far does it travel?

M4.

A piece of wood 4 1/2 metres long is cut into pieces each 3/8 metre long. How many pieces are obtained?

M5.

A tank contains 240 litres of water. If 5/6 of the water is used, how many litres remain?

M6.

A recipe makes 24 biscuits and uses 2 1/4 cups of flour. How much flour is needed for 18 biscuits?

M7.

A rectangular room measures 4 2/5 metres by 3 3/4 metres. What is the floor area?

M8.

If 3/5 of a number is 42, what is 2/7 of that number?

M9.

A car uses 7 1/2 litres of petrol to travel 100 km. How much petrol is needed for a journey of 240 km?

M10.

A piece of ribbon 5 1/3 metres long is cut into pieces each 2/3 metre long. How many complete pieces are obtained?