

MULTIPLYING FRACTIONS

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

MAIN QUESTIONS

1.

$$\frac{1}{2} \times \frac{1}{3}$$

$$\left| \frac{1}{6} \right|$$

3.

$$\frac{3}{5} \times \frac{2}{7}$$

$$\left| \frac{6}{35} \right|$$

5.

$$\frac{5}{6} \times \frac{9}{10}$$

$$\left| \frac{3}{4} \right|$$

7.

$$\frac{2}{11} \times \frac{11}{4}$$

$$\left| \frac{1}{2} \right|$$

9.

$$\frac{5}{12} \times \frac{8}{15}$$

$$\left| \frac{2}{9} \right|$$

11.

$$2 \frac{1}{2} \times \frac{3}{5}$$

$$\left| \frac{3}{2} \right|$$

13.

$$3 \frac{1}{3} \times \frac{2}{5}$$

$$\left| \frac{4}{3} \right|$$

2.

$$\frac{2}{3} \times \frac{3}{4}$$

$$\left| \frac{1}{2} \right|$$

4.

$$\frac{4}{9} \times \frac{3}{8}$$

$$\left| \frac{1}{6} \right|$$

6.

$$\frac{7}{8} \times \frac{4}{5}$$

$$\left| \frac{7}{10} \right|$$

8.

$$\frac{3}{7} \times \frac{14}{9}$$

$$\left| \frac{2}{3} \right|$$

10.

$$\frac{6}{13} \times \frac{26}{9}$$

$$\left| \frac{4}{3} \right|$$

12.

$$1 \frac{3}{4} \times \frac{2}{7}$$

$$\left| \frac{1}{2} \right|$$

14.

$$2 \frac{2}{5} \times \frac{5}{8}$$

$$\left| \frac{3}{2} \right|$$

15.

$$4 \frac{1}{6} \times \frac{3}{5}$$

$$\left| \frac{5}{2} \right|$$

17.

$$\frac{2}{5} \times \frac{3}{7} \times \frac{5}{6}$$

$$\left| \frac{1}{7} \right|$$

19.

$$\frac{5}{6} \times \frac{9}{10} \times \frac{4}{3}$$

$$\left| 1 \right|$$

21.

$$2 \frac{1}{3} \times 1 \frac{1}{2}$$

$$\left| \frac{7}{2} \right|$$

23.

$$1 \frac{5}{8} \times 2 \frac{2}{5}$$

$$\left| \frac{39}{10} \right|$$

25.

$$2 \frac{3}{5} \times 3 \frac{1}{3}$$

$$\left| \frac{26}{3} \right|$$

27.

$$\frac{2}{3} \times 1.5$$

$$\left| 1 \right|$$

29.

$$\frac{5}{6} \times 2.4$$

$$\left| 2 \right|$$

16.

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

$$\left| \frac{1}{4} \right|$$

18.

$$\frac{3}{8} \times \frac{4}{9} \times \frac{6}{7}$$

$$\left| \frac{1}{7} \right|$$

20.

$$\frac{7}{12} \times \frac{8}{21} \times \frac{9}{4}$$

$$\left| \frac{1}{2} \right|$$

22.

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

$$\left| \frac{26}{3} \right|$$

24.

$$4 \frac{2}{7} \times 1 \frac{3}{4}$$

$$\left| \frac{15}{2} \right|$$

26.

$$\frac{1}{2} \times 0.75$$

$$\left| \frac{3}{8} \right|$$

28.

$$\frac{3}{4} \times 0.8$$

$$\left| \frac{3}{5} \right|$$

30.

$$\frac{7}{8} \times 1.6$$

$$\left| \frac{7}{5} \right|$$

MASTER QUESTIONS



M1.

A recipe requires $\frac{3}{4}$ cup of flour per batch. How much flour is needed for $2\frac{1}{2}$ batches?

| $15\frac{3}{8}$ cups

M2.

A rectangular garden is $5\frac{1}{3}$ metres long and $3\frac{3}{4}$ metres wide. What is its area?

| 20 square metres

M3.

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

| $70\frac{1}{2}$ km

M4.

A piece of wood $4\frac{1}{2}$ metres long is cut into pieces each $\frac{3}{8}$ metre long. How many pieces are obtained?

| 12 pieces

M5.

A tank contains 240 litres of water. If $\frac{5}{6}$ of the water is used, how many litres remain?

| 40 litres

M6.

A recipe makes 24 biscuits and uses $2\frac{1}{4}$ cups of flour. How much flour is needed for 18 biscuits?

| $1\frac{11}{16}$ cups

M7.

A rectangular room measures $4\frac{2}{5}$ metres by $3\frac{3}{4}$ metres. What is the floor area?

| $16\frac{1}{2}$ square metres

M8.

If $\frac{3}{5}$ of a number is 42, what is $\frac{2}{7}$ of that number?

| 20

M9.

A car uses $7\frac{1}{2}$ litres of petrol to travel 100 km. How much petrol is needed for a journey of 240 km?

18 litres

M10.

A piece of ribbon $5\frac{1}{3}$ metres long is cut into pieces each $\frac{2}{3}$ metre long. How many complete pieces are obtained?

8 pieces