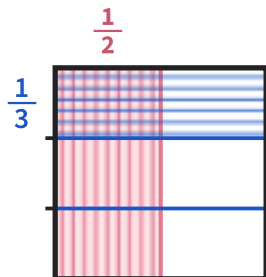


Multiplying Fractions

ANSWERS

1

Work out $\frac{1}{2} \times \frac{1}{3}$.

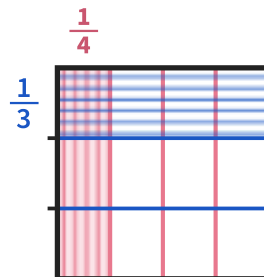


1 of 6 squares are in both

$$\frac{1}{2} \times \frac{1}{3} = \frac{1 \times 1}{2 \times 3} = \frac{1}{6}$$

2

Work out $\frac{1}{4} \times \frac{1}{3}$.

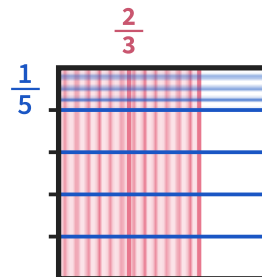


1 of 12 squares are in both

$$\frac{1}{4} \times \frac{1}{3} = \frac{1 \times 1}{4 \times 3} = \frac{1}{12}$$

3

Work out $\frac{2}{3} \times \frac{1}{5}$.

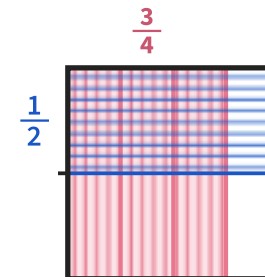


2 of 15 squares are in both

$$\frac{2}{3} \times \frac{1}{5} = \frac{2 \times 1}{3 \times 5} = \frac{2}{15}$$

4

Work out $\frac{3}{4} \times \frac{1}{2}$.

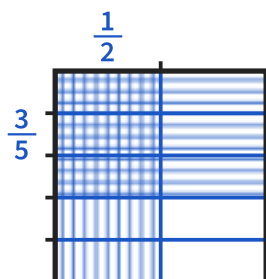


3 of 8 squares are in both

$$\frac{3}{4} \times \frac{1}{2} = \frac{3 \times 1}{4 \times 2} = \frac{3}{8}$$

5

Work out $\frac{1}{2} \times \frac{3}{5}$.

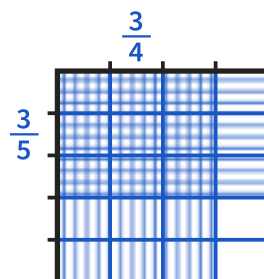


3 of 10 squares are in both

$$\frac{1}{2} \times \frac{3}{5} = \frac{1 \times 3}{2 \times 5} = \frac{3}{10}$$

6

Work out $\frac{3}{4} \times \frac{3}{5}$.

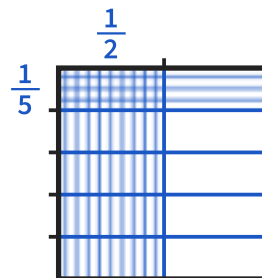


9 of 20 squares are in both

$$\frac{3}{4} \times \frac{3}{5} = \frac{3 \times 3}{4 \times 5} = \frac{9}{20}$$

7

$\frac{1}{2}$ of a wall is painted. $\frac{1}{5}$ of the painted part is blue. What fraction of the wall is blue?

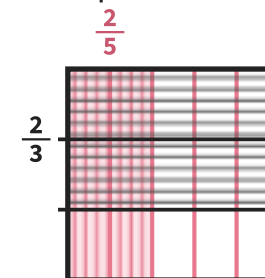


1 of 10 squares are in both

$$\frac{1}{2} \times \frac{1}{5} = \frac{1 \times 1}{2 \times 5} = \frac{1}{10}$$

8

The first fraction is shaded down. The second is shaded across. Write the multiplication.



4 of 15 squares are in both

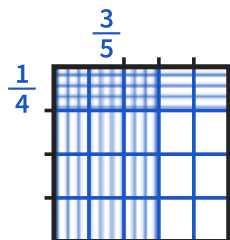
$$\frac{2}{3} \times \frac{2}{5} = \frac{2 \times 2}{3 \times 5} = \frac{4}{15}$$

Multiplying Fractions *further practice*

ANSWERS

9

Work out $\frac{3}{5} \times \frac{1}{4}$.

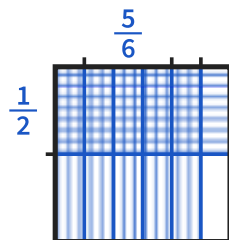


3 of 20 squares are in both

$$\frac{3}{5} \times \frac{1}{4} = \frac{3 \times 1}{5 \times 4} = \frac{3}{20}$$

10

Work out $\frac{5}{6} \times \frac{1}{2}$.

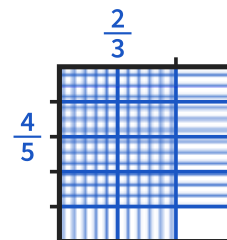


5 of 12 squares are in both

$$\frac{5}{6} \times \frac{1}{2} = \frac{5 \times 1}{6 \times 2} = \frac{5}{12}$$

11

Work out $\frac{2}{3}$ of $\frac{4}{5}$.

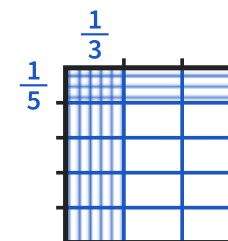


8 of 15 squares are in both

$$\frac{2}{3} \times \frac{4}{5} = \frac{2 \times 4}{3 \times 5} = \frac{8}{15}$$

12

$\frac{1}{3}$ of a garden is grass. $\frac{1}{5}$ of the grass has flowers. What fraction of the garden has flowers?

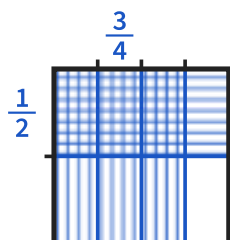


1 of 15 squares are in both

$$\frac{1}{3} \times \frac{1}{5} = \frac{1 \times 1}{3 \times 5} = \frac{1}{15}$$

13

A rug is $\frac{3}{4}$ m long and $\frac{1}{2}$ m wide. Work out its area.



The square is 1 m by 1 m.

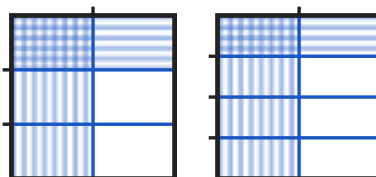
$$\frac{3}{4} \times \frac{1}{2} = \frac{3 \times 1}{4 \times 2}$$

Answer $\frac{3}{8} \text{ m}^2$

14

Which is bigger, $\frac{1}{2} \times \frac{1}{3}$ or

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



$$\frac{1}{2} \times \frac{1}{3} = \frac{1 \times 1}{2 \times 3} = \frac{1}{6}$$

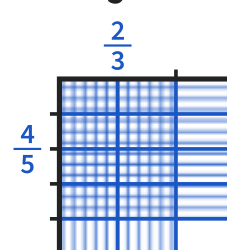
$$\frac{1}{2} \times \frac{1}{4} = \frac{1 \times 1}{2 \times 4} = \frac{1}{8}$$

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

15

Find the missing number.

$$\frac{2}{3} \times \frac{4}{5} = \frac{8}{15}$$

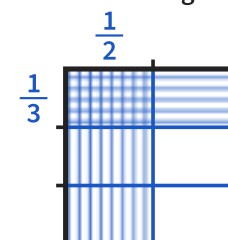


$$2 \times 4 = 8 \quad 3 \times 5 = 15$$

Answer 4

16

Sam works out $\frac{1}{2} \times \frac{1}{3}$. He writes $\frac{2}{5}$. What has he done wrong?



Sam has added the tops

and added the bottoms.

Right answer $\frac{1}{6}$