


# Adding and subtracting fractions


$$\frac{3}{4} + \frac{2}{3} = \square$$

$$= \frac{9}{12} + \frac{8}{12}$$

$$= \frac{17}{12}$$

$$= 1\frac{5}{12}$$

Write  
both as  $\frac{1}{12}$  s.



1  $\frac{2}{5} + 4 = \square$

6  $\frac{7}{8} - \frac{2}{3} = \square$

2  $\frac{2}{3} + \frac{5}{6} = \square$

7  $\frac{2}{5} - \frac{1}{6} = \square$

3  $\frac{2}{5} + \frac{2}{3} = \square$

8  $1\frac{2}{9} - \frac{2}{3} = \square$

4  $\frac{3}{4} + \frac{1}{5} = \square$

9  $1\frac{4}{5} - \frac{3}{4} = \square$

5  $\frac{2}{3} + \frac{2}{4} = \square$

10  $\frac{8}{9} - \frac{1}{5} = \square$

Write  
both fractions  
out with the same  
denominator.



How can you use what you have just practised to work out  $\frac{2}{5} + 0.8$ ? What is the answer?



# Multiplying and dividing with fractions

Solve these multiplications.

1  $5 \times \frac{1}{4} = \square$

5  $8 \times \frac{1}{5} = \square$

2  $7 \times \frac{1}{6} = \square$

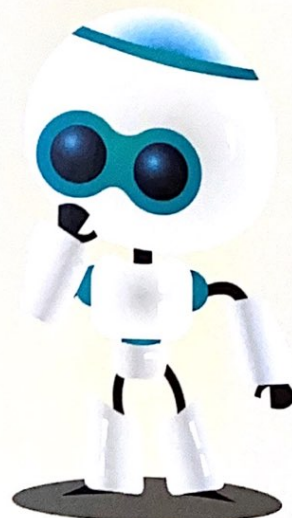
6  $10 \times \frac{1}{7} = \square$

3  $11 \times \frac{1}{3} = \square$

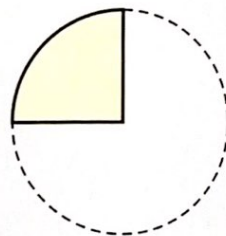
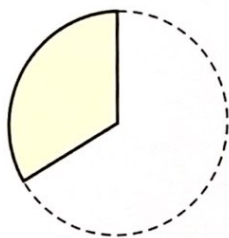
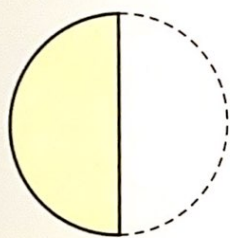
7  $15 \times \frac{1}{4} = \square$

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

8  $50 \times \frac{1}{9} = \square$



Answer these divisions.



9  $\frac{1}{2} \div 2 = \square$

12  $\frac{1}{3} \div 2 = \square$

15  $\frac{1}{4} \div 2 = \square$

10  $\frac{1}{2} \div 3 = \square$

13  $\frac{1}{3} \div 3 = \square$

16  $\frac{1}{4} \div 3 = \square$

11  $\frac{1}{2} \div 4 = \square$

14  $\frac{1}{3} \div 4 = \square$

17  $\frac{1}{4} \div 4 = \square$



Write a multiplication where the answer is smaller than both of the numbers being multiplied. Write one where the answer is bigger than both numbers being multiplied.



Answer these multiplications and divisions.

1  $12 \times \frac{1}{6} = \square$

2  $\frac{1}{6} \div 2 = \square$

3  $11 \times \frac{1}{2} = \square$

4  $\frac{1}{6} \div 3 = \square$

5  $22 \times \frac{1}{4} = \square$

6  $24 \times \frac{1}{5} = \square$

7  $\frac{1}{8} \div 3 = \square$

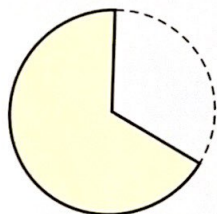
8  $15 \times \frac{1}{8} = \square$

9  $\frac{1}{3} \div 4 = \square$

10  $\frac{1}{3} \div 3 = \square$

Now solve these questions.

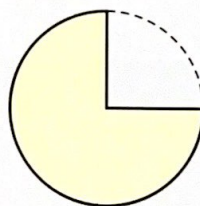
11



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

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

12



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

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

Multiply these fractions together.

13  $\frac{1}{3} \times \frac{2}{3} = \square$

16  $\frac{1}{4} \times \frac{3}{4} = \square$

19  $\frac{1}{2} \times \frac{3}{8} = \square$

14  $\frac{1}{4} \times \frac{1}{3} = \square$

17  $\frac{1}{5} \times \frac{3}{4} = \square$

20  $\frac{1}{3} \times \frac{7}{8} = \square$

15  $\frac{1}{3} \times \frac{4}{9} = \square$

18  $\frac{1}{3} \times \frac{4}{5} = \square$

21  $\frac{1}{7} \times \frac{2}{3} = \square$



What number can multiply a number of thirds, quarters and sixths to give a whole number answer? Test out your suggestion.



Answer these multiplications and divisions.

1  $14 \times \frac{1}{6} = \square$

2  $\frac{1}{5} \div 7 = \square$

3  $11 \times \frac{1}{7} = \square$

4  $\frac{1}{6} \div 6 = \square$

5  $30 \times \frac{1}{4} = \square$



6  $67 \times \frac{1}{9} = \square$

7  $\frac{1}{8} \div 7 = \square$

8  $42 \times \frac{1}{8} = \square$

9  $\frac{1}{9} \div 5 = \square$

10  $\frac{1}{7} \div 3 = \square$

Multiply these pairs of fractions.

11  $\frac{1}{4} \times \frac{3}{5} = \square$

14  $\frac{2}{3} \times \frac{5}{6} = \square$

17  $\frac{3}{5} \times \frac{6}{7} = \square$

12  $\frac{4}{5} \times \frac{2}{3} = \square$

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

18  $\frac{2}{3} \times \frac{7}{8} = \square$

13  $\frac{2}{7} \times \frac{2}{3} = \square$

16  $\frac{2}{9} \times \frac{3}{4} = \square$

19  $\frac{5}{7} \times \frac{2}{3} = \square$



What is  $\frac{1}{2}$  squared? What is  $\frac{1}{3}$  squared? What is  $\frac{1}{4}$  squared? What is  $\frac{1}{5}$  squared? Is the square of a fraction that is less than 1 larger or smaller than the fraction itself?



I am confident with multiplying and dividing fractions.