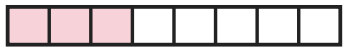
Adding and subtracting fractions

1

Work out $\frac{3}{8} + \frac{4}{8}$

shade 4 more eighths



the denominators are the same

$= \frac{\square + \square}{\square}$

add the numerators, keep the denominator

$= \frac{\square}{\square}$

Answer _____

2

Work out $\frac{7}{9} - \frac{2}{9}$

$= \frac{\square - \square}{\square}$

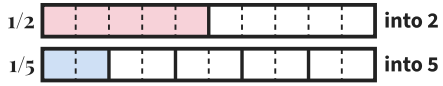
$= \frac{\square}{\square}$

Answer _____

3

Work out $\frac{1}{2} + \frac{1}{5}$

cut both bars into 10 equal pieces



make the denominators the same

$\frac{1 \times 5}{2 \times 5} + \frac{1 \times \square}{5 \times \square}$

now add or subtract the numerators

$= \frac{\square + \square}{\square}$

Answer _____

4

Work out $\frac{1}{4} + \frac{1}{6}$

cut both bars into 12 equal pieces



make the denominators the same

$\frac{1 \times \square}{4 \times \square} + \frac{1 \times \square}{6 \times \square}$

now add or subtract the numerators

$= \frac{\square + \square}{\square}$

Answer _____

5

Work out $\frac{4}{5} - \frac{1}{3}$

make the denominators the same

$\frac{4 \times \square}{5 \times \square} - \frac{1 \times \square}{3 \times \square}$

now add or subtract the numerators

$= \frac{\square - \square}{\square}$

Answer _____

6

Work out $\frac{1}{10} + \frac{2}{5}$

Give your answer in its simplest form.

$\frac{1}{10} + \frac{2 \times \square}{5 \times \square}$

$= \frac{\square + \square}{\square}$

Answer _____

7

Work out $\frac{2}{3} + \frac{3}{4}$. Give your answer as a mixed number.

Answer _____

8

Jamal writes $\frac{2}{5} + \frac{1}{2} = \frac{3}{7}$.

Explain why his answer must be wrong.

Then work out the right answer.

Answer _____

Adding and subtracting fractions *further practice*

9

Work out $\frac{5}{6} - \frac{1}{3}$. Give your answer in its simplest form.

Answer _____

10

Work out $1\frac{1}{4} + 2\frac{2}{5}$

Answer _____

11

Work out $3\frac{5}{6} - 1\frac{1}{4}$

Answer _____

12

Find the missing fraction.

$\frac{3}{8} + \square = \frac{3}{4}$

Answer _____

13

A ribbon is $2\frac{1}{2}$ m long. Lena cuts $\frac{3}{4}$ m off it. How long is the ribbon now?

Answer _____

14

In a class vote, $\frac{1}{4}$ of the class pick football and $\frac{2}{5}$ of the class pick netball. The rest pick hockey. What fraction of the class pick hockey?

Answer _____

15

A rectangle is $1\frac{1}{2}$ cm long and $\frac{3}{4}$ cm wide. Work out its perimeter.

Answer _____

16

Is $\frac{3}{8} + \frac{2}{5}$ more or less than $\frac{3}{4}$? Show how you know.

Answer _____