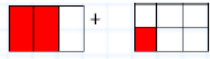


YEAR 5

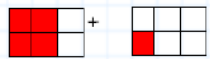
Fractions

Fraction	Simplest form
Decimal	Original form
Percentage	Ascending
Simplify	Descending
Numerator	Mixed number
Denominator	Improper fraction
Vinculum	
Equivalent	
Express	
Denomination	

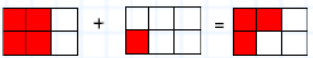
Subtract fractions

$\frac{2}{3} - \frac{1}{6}$ 

1) Convert both fractions to have the same denominator. $\frac{2 \times 2}{3 \times 2} - \frac{1}{6}$

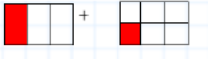
$\frac{4}{6} - \frac{1}{6}$ 

2) Add the numerators, but not the denominators.
 $\frac{4}{6} - \frac{1}{6} = \frac{3}{6}$

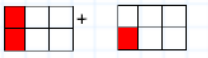


3) Simplify the answer if you can.
 $\frac{3}{6} = \frac{1}{2}$


Add fractions

$\frac{1}{3} + \frac{1}{6}$ 

1) Convert both fractions to have the same denominator. $\frac{1 \times 2}{3 \times 2} + \frac{1}{6}$

$\frac{2}{6} + \frac{1}{6}$ 

2) Add the numerators, but not the denominators.
 $\frac{2}{6} + \frac{1}{6} = \frac{3}{6}$



3) Simplify the answer if you can.
 $\frac{3}{6} = \frac{1}{2}$

Compare and order fractions

$\frac{2}{3} \times 2 = \frac{4}{6}$ $\frac{5}{6}$

$\frac{4}{6} < \frac{5}{6}$

> More than
 < Less than
 = Equal to

↑ ascending ↓ descending

Put these fractions in ascending order:

$\frac{2}{3}$ $\frac{1}{6}$ $\frac{11}{12}$

$\frac{2}{3} \times 4 = \frac{8}{12}$ $\frac{1}{6} \times 2 = \frac{2}{12}$ $\frac{11}{12} \times 1 = \frac{11}{12}$

$\frac{8}{12}$ $\frac{2}{12}$ $\frac{11}{12}$

$\frac{1}{6}$ $\frac{2}{3}$ $\frac{11}{12}$

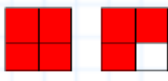
First, express the fractions in the same denomination.

Then order them.

Then re-write them in their original form

Convert from improper fractions to mixed numbers

- $\frac{7}{4}$ 1) See how many times the denominator will go into the numerator (once, with a remainder of 3)
- 2) Write the answer (1) as the whole
- 3) Write the remainder (3) as the numerator over the existing denominator.

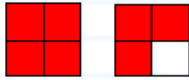
$\frac{7}{4} = 1 \frac{3}{4}$ 

$\frac{4}{4}$ $\frac{3}{4}$

(one whole)

Convert mixed numbers to improper fractions

- add
- $1 \frac{3}{4}$
- multiply
- 1) Multiply the denominator by the whole number. ($4 \times 1 = 4$)
- 2) Add the numerator ($4 + 3 = 7$)
- 3) Write the answer as a numerator over the existing denominator (4)

$1 \frac{3}{4} = \frac{7}{4}$ 

$\frac{4}{4}$ $\frac{3}{4}$

(one whole)