

Lessons of mathematics in English

# **Operations with fractions**

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**Fractions belong to  
the set of Rational numbers**

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## **Addition and subtraction of fractions with the same denominators**

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

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## **Addition and subtraction of fractions with different denominators**

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

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# The lowest term of fraction

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

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## Division without remainder

$$216 : 4 = 54$$

16

0

## Division with remainder

$$217 : 4 = 54$$

17

1 → remainder

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**A factor of a whole number is a whole number that divides it evenly, without remainder**

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**Factors of 20 are**

**1, 2, 4, 5, 10, 20**

**Factors of 15 are**

**1, 3, 5, 15**



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**The greatest common factor is the largest factor that two or more numbers have in common.**

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**The greatest common factor  
of numbers 20 and 15 is 5.**

**The lowest term of fraction**

$$\frac{15}{20} = \frac{3}{5}$$