GCSE & High School Topic Questions

How to Convert Improper Fraction To Mixed Number Fraction

We can convert **improper fractions** (where the numerator is bigger than the denominator) into **mixed number fractions** (fractions with a whole number and a fraction) by following these steps.

Step 1 Divide the numerator by the denominator.

Step 1 Write the answer as the whole number.

Step 1 Write the remainder as the numerator over the denominator.

Step 1 Check if you can simplify.

Example 1

Convert this fraction to a mixed number fraction: $\frac{55}{4}$

Step 1: $55 \div 4 = 13$ rem 3

Step 2: 13

Step 3: $\frac{55}{4} = 13\frac{3}{4}$

Step 4: Answer is already as simple as possible.

Example 2

Convert this fraction to a mixed number fraction: $\frac{34}{10}$

Step 1: $34 \div 10 = 3$ rem 4

Step 2: 3

Step 3: $\frac{34}{10} = 3\frac{4}{10}$

Step 4: Simplify the fraction part of answer: $\frac{4}{10} \div \frac{2}{2} = \frac{2}{5}$

Final answer: $\frac{34}{10} = 3\frac{2}{5}$

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Convert these fractions to mixed number fractions.

(1) $\frac{120}{9}$

(2) $\frac{61}{10}$

(3) $\frac{18}{8}$

(4) $\frac{154}{9}$

(5) $\frac{140}{6}$

(6) $\frac{138}{7}$

(7) $\frac{135}{25}$

(8) $\frac{63}{50}$

(9) $\frac{35}{3}$

(10) $\frac{89}{10}$

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Convert Improper Fraction To Mixed Number Fraction

Convert these fractions to mixed number fractions.

(11) $\frac{58}{11}$

(12) $\frac{19}{3}$

(13) $\frac{94}{5}$

(14) $\frac{105}{20}$

(15) $\frac{31}{4}$

(16) $\frac{73}{8}$

(17) $\frac{61}{9}$

(18) $\frac{98}{20}$

(19) $\frac{101}{9}$

(20) $\frac{123}{5}$

GCSE & High School Topic Questions

Convert Improper Fraction To Mixed Number Fraction

answers

Convert these fractions to mixed number fractions.

(1) $\frac{120}{9} = 13\ \frac{3}{9}$

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

(2) $\frac{61}{10} = 6\ \frac{1}{10}$

(3) $\frac{18}{8} = 2\ \frac{2}{8}$

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

(4) $\frac{154}{9} = 17\ \frac{1}{9}$

(5) $\frac{140}{6} = 23\ \frac{2}{6}$

$= 23\ \frac{1}{3}$

(6) $\frac{138}{7} = 19\ \frac{5}{7}$

(7) $\frac{135}{25} = 5\ \frac{10}{25}$

$= 5\ \frac{2}{5}$

(8) $\frac{63}{50} = 1\ \frac{13}{50}$

(9) $\frac{35}{3} = 11\ \frac{2}{3}$

(10) $\frac{89}{10} = 8\ \frac{9}{10}$

GCSE & High School Topic Questions

Convert Improper Fraction To Mixed Number Fraction

answers

Convert these fractions to mixed number fractions.

(11) $\frac{58}{11} = 5\ \frac{3}{11}$

(12) $\frac{19}{3} = 6\ \frac{1}{3}$

(13) $\frac{94}{5} = 18\ \frac{4}{5}$

(14) $\frac{105}{20} = 5\ \frac{5}{20}$

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

(15) $\frac{31}{4} = 7\ \frac{3}{4}$

(16) $\frac{73}{8} = 9\ \frac{1}{8}$

(17) $\frac{61}{9} = 6\ \frac{7}{9}$

(18) $\frac{98}{20} = 4\ \frac{18}{20}$

$= 4\ \frac{9}{10}$

(19) $\frac{101}{9} = 11\ \frac{2}{9}$

(20) $\frac{123}{5} = 24\ \frac{3}{5}$