

MATHS

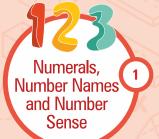
SAMPLE BOOK





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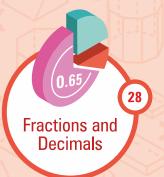
GRADE-5

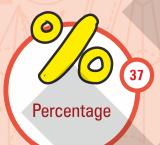








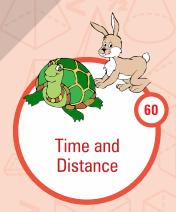














Experiential Experimental Edutaining



I AM PROGRESSING

(Tick mark the columns after achieving the Learning Milestones)



TOPIC	1 st Learning	Exercise Solving	1 st Revision	2 nd Revision
Numerals, Number Names and Number Sense				
Roman Numerals				
Computation Operations				
Factors and Multiples				
Fractions and Decimals				
Percentage Percentage				
Money				
Time				
Ratio and Proportion				
Time and Distance				



MATHS

SAMPLE THEORY

CHAPTER

5

FRACTIONS AND DECIMALS

FRACTION

Fraction is defined as the "part of a whole".

A Fraction is written as a top number and a bottom number with a line separating them.

- (i) The top number (the numerator) says how many parts we have, of the whole.
- (ii) The bottom number (the denominator) says how many parts, the whole is divided into.



3 ← Numerator 4 ← Denominator

Fractions are important because they tell us what portion of a whole we need, have or want.

TYPES OF FRACTIONS

Like Fractions



 $\frac{2}{6}$

 $\frac{1}{6}$

Same Denominators

Unlike Fractions



Different Denominators

Proper Fractions



 $\frac{3}{6}\left(=\frac{1}{2}\right)$

Numerator less than Denominator

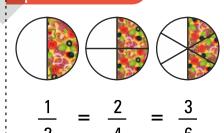
Improper Fractions



8 6

Denominator less than Numerator

Equivalent Fractions



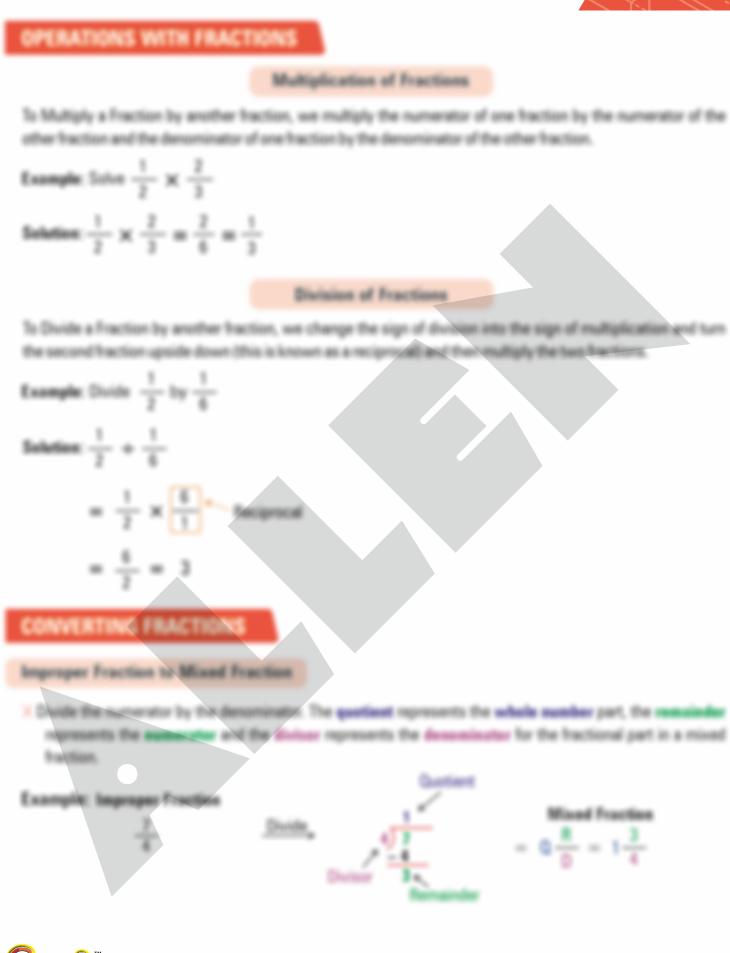
Represents the same value

Mixed Fractions





Whole number combined with fraction







MATHS

SAMPLE EXERCISE



EXERCISE

GRADE-5 Fractions and Decimals



Directions: Solve the following multiple choice questions by choosing the most appropriate option.

- The equivalent fraction of $\frac{4}{7}$ with numerator 20 is _____.
 - $(1)\frac{20}{30}$

 $(2)\frac{20}{21}$

 $(3)\frac{20}{28}$

- $(4)\frac{20}{35}$
- A piece of a ribbon is $3\frac{5}{7}$ m long. There are 21 pieces of ribbon. Find out the total length of 21 pieces of ribbon. 2.
 - (1) 29 m
- (2)80 m
- (3) 78 m
- (4) 79 m

- 3. Choose a pair of equivalent fractions.
 - $(1)\frac{3}{7} \div \frac{10}{35}$
- $(2)\frac{9}{16} & \frac{27}{48}$ $(3)\frac{5}{8} & \frac{30}{40}$
- $(4) \frac{6}{11} \approx \frac{66}{110}$
- Which of the following shows the fraction and decimal of vowels in the word 'TELEPHONE'? 4.
 - $(1)\frac{4}{9}$ & 0.44
- $(2)\frac{4}{5}$ & 0.8
- $(3) \frac{4}{10} & 0.4$
- $(4) \frac{3}{9} & 0.33$

- 5. $\frac{3}{100}$ is read as:
 - (1) three tens
- (2) three tenths
- (3) three sevenths
- (4) three hundredths

- Solve: $900 + 90 + \frac{9}{10} + \frac{9}{100}$ 6.
 - (1) 990.99
- (2)99.99
- (3) 909.09
- (4)990.09

- Solve: $\frac{8}{13} \frac{7}{13} + \frac{1}{13} = ?$ **7**.
 - $(1)\frac{2}{13}$

 $(3)\frac{16}{13}$

- $(4)\frac{14}{13}$
- Rajeev wants to shade $\frac{22}{100}$ part of the grid. How many blocks will he shade? 8.
 - (1)22
 - (2)100
 - (3)2
 - (4) None of these

