



Sindh Education Foundation
Government of Sindh

Grade 1 — Mathematics Index

SEF Digital Resource Pack

Grade 1 - Mathematics

This document lists by unit:

1. The learning objectives that students will be able to learn by using the Sindh Education Foundation Digital Resource Pack.
2. The classification of items included in the Digital Resource Pack.
3. It is suggested that the lessons be used multiple times for additional impact on student learning.

	Learning Objectives	Lesson Plans for SEF Digital Resource Items
Unit 1: Whole Numbers		
	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Identify numbers 1 – 10. • Read and write numbers up to 10 in numerals and in words. • Order the numbers 1 – 10. • Identify 0 as a number. • Match the numbers 0-9 with objects. • Read, write and count numbers 1 up to 20. • Read, write and count numbers 20 up to 39. • Read, write and count numbers 40 up to 60. • Read, write and count numbers 60 up to 80. • Read, write and count numbers 80 up to 99. • Identify the place value of the specific digit in a two digit number. • Identify the position of objects using ordinal numbers such as first, second, ..., tenth. • Arrange numbers (0-9) in ascending and descending order. • Identify and write missing numbers in a sequence from 1 to 99. • Identify which number (up to 99) comes <ul style="list-style-type: none"> • before/after a number, • between two numbers. • Count numbers in 5s and 10s 	<ol style="list-style-type: none"> 1. Let's Count (1 to 10) (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 2. The Magic Zero (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 3. Numbers; 1 to 20 (Song) (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 4. Numbers; 21 to 40 (Song) (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 5. Numbers; 41 to 60 (Song) (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 6. Numbers; 61 to 80 (Song) (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 7. Numbers; 81 to 99 (Song) (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 8. Place Value (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 9. Ordinal Numbers (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 10. One more, One less (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 11. Counting in 5's & 10's (01 Video, 01 Lesson Plan and 01 Interactive Exercise)

Unit 2: Number Operations		
	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Recognize and use symbols of addition '+' and equality '='. • Add two one-digit numbers (sum up to 9) • Add a 2-digit number with 1-digit number. • Recognize and use the symbol of subtraction '-'. • Subtract ones from ones. • Subtract ones from 2-digit numbers 	<ol style="list-style-type: none"> 1. Addition (01 Video, 02 Lesson Plans and 02 Interactive Exercises) 2. Subtraction (01 Video, 02 Lesson Plans and 02 Interactive Exercises)
Unit 3: Length & Weight		
	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Compare objects to identify: <ul style="list-style-type: none"> ▪ long, longer, longest, ▪ short, shorter, shortest, ▪ tall, taller, tallest, ▪ high, higher, highest, ▪ heavy, heavier, heaviest, ▪ light, lighter, lightest. 	<ol style="list-style-type: none"> 1. Length and Weight (01 Video, 02 Lesson Plans and 02 Interactive Exercises)
Unit 4: Money		
	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Identify Pakistani currency coins (Rs.1, 2 and 5). • Identify Pakistani currency notes (Rs. 10, 20, 50 and 100). • Match a group of coins/notes to an equivalent group of different denominations. • Add and subtract money using the prices of objects (e.g. toys). 	<ol style="list-style-type: none"> 1. Notes and Coins (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 2. Buying and Selling (01 Video, 02 Lesson Plans and 02 Interactive Exercises)
Unit 5: Fractions		
	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Recognize fraction as equal parts of a whole. • Shade the equal parts of a given figure to match a given fraction. 	<ol style="list-style-type: none"> 1. Fractions (01 Video, 02 Lesson Plans and 02 Interactive Exercises)

Unit 6: Time & Date

	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Recognize the hour and minute hands of an analogue clock. • Read and tell time in hours from the analogue clock/digital clock e.g., two o'clock. • Name in order the days of the week. • Identify which day comes after/before a particular day. • Name (orally) the Solar & Lunar months of the year. 	<ol style="list-style-type: none"> 1. Tick Tock (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 2. Days of the Week (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 3. Months of the Year (01 Video, 01 Lesson Plan and 01 Interactive Exercise)
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Unit 7: Geometry

	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Identify the following basic shapes: • rectangle, • square, • circle, • oval, • triangle. • Identify the basic shapes from real life objects. • Identify and describe patterns with 2 or 3 elements. • Extend a given pattern of 2 to 3 elements. • Identify whether an object is placed <ul style="list-style-type: none"> • inside or outside, • above or below, • over or under, • far or near, • before or after, • right or left, of a given picture. 	<ol style="list-style-type: none"> 1. Shapes (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 2. Patterns (01 Video, 01 Lesson Plan and 01 Interactive Exercise) 3. Positions (01 Video, 01 Lesson Plan and 01 Interactive Exercise)
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