

Mathematics

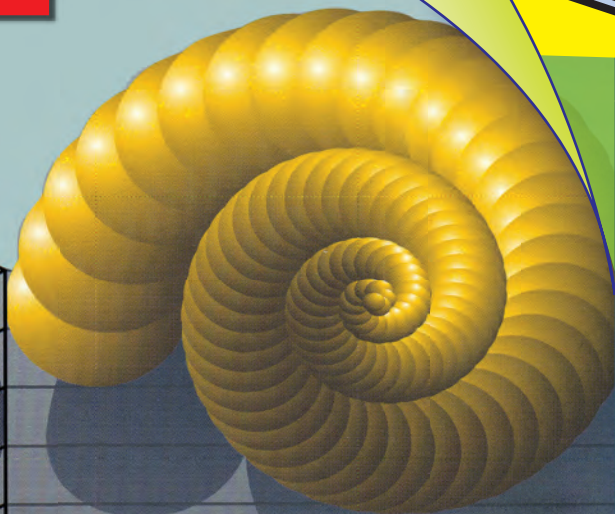
Activity Book 2

Measurement in Mathematics Activities

Teacher Edition

GRADES 1-2

Book
2



NEWPATH
LEARNING®

Contents

Title	Curriculum Reference	Page
Introductory Statement		4
Buzz the Penguin		5
Section 1: Buzz Builds His House		6
Buzz the Penguin’s House	Problems involving measures (length)	7
Buzz Needs Furniture	Problems involving measures (length)	8
Buzz’s Basketball Court	Problems involving measures (length)	9
Buzz’s Floor Tiles	Shape and space; Properties of 2D shapes.	10
A Tile Pattern for Buzz	Shape and space; Properties of 2D shapes.	11
Buzz Builds a Sandpit	Problems involving measures (length)	12
Section 2: Buzz’s Craft Ideas		13
A Dinner Set	Problems involving measures (length)	14
A Picture for the Wall	Shape and space; Properties of 2D shapes.	15
My Picture	Shape and space; Properties of 2D shapes.	16
Crafty Buzz	Problems involving measures (length)	17
Cover Buzz	Problems involving measures (area)	18
Wind Chimes	Problems involving measures (mass)	19
Buzz Repairs Grandpa’s Clock	Problems involving measures (time)	20
Buzz’s Sand Art	Problems involving measures (capacity)	21
Planting Seeds	Problems involving measures (capacity)	22
Framing Photographs	Problems involving measures (area)	23
Hands, Feet and Flippers	Problems involving measures (area)	24
Buzz’s Flipper and Foot	Problems involving measures (area)	25
Leaf Decorations	Problems involving measures (area)	26
Section 3: Food and Drink Activities		27
Storing Salted Fish	Problems involving measures (area)	28
Jars of Ice Cubes and Snowballs	Problems involving measures (capacity)	29
Glasses of Sea Soda	Problems involving measures (capacity)	30
Love Lemonade, Mmm!	Problems involving measures (capacity)	31
Weighing Salted Fish	Problems involving measures (mass)	32
Buzz’s Sled Run	Problems involving measures (mass)	33
Buzz Cooks Cakes	Problems involving measures (mass)	34
Section 4: Sports Day and Adventures		35
Sports Day Races	Problems involving measures (time)	36
Tabloid Sports Event	Problems involving measures (time)	37
Balls, Balls, Balls 1	Problems involving measures (mass)	38
Balls, Balls, Balls 2	Problems involving measures (mass)	39
Buzz’s Busy Day	Problems involving measures (time)	40
Morning, Afternoon & Night	Problems involving measures (time)	41
The Seasons	Problems involving measures (time)	42
Six Months of Darkness	Problems involving measures (time)	43

Section 1

Buzz Builds His House

<u>Page</u>	<u>Contents</u>	<u>Concept</u>
7	Buzz the Penguin's House	Length
8	Buzz Needs Furniture	Length
9	Buzz's Basketball Court	Length
10	Buzz's Floor Tiles	Area
11	A Tile Pattern for Buzz	
12	Buzz Builds a Sandpit	Length

Notes on Specific Pages

Page 7 Buzz the Penguin's House

This is Buzz's house. You may wish to construct a replica in a corner of the classroom to house the activities completed in the book. Suggested materials for the house are 1 liter milk or juice cartons taped together for the walls and corrugated cardboard curved over for the roof. You may wish to omit a roof altogether so the children can move around freely inside. Alternatively, large cardboard boxes could be painted with white paint to look like blocks of ice, or a strategically placed bookcase could section off a back corner.

The teacher will need to discuss the possible placement of each picture so as to obtain the use of the brick arbitrary measure, eg. "Where do you think you could draw the pine tree so it can be 9 bricks high?"

Page 10 Buzz's Floor Tiles

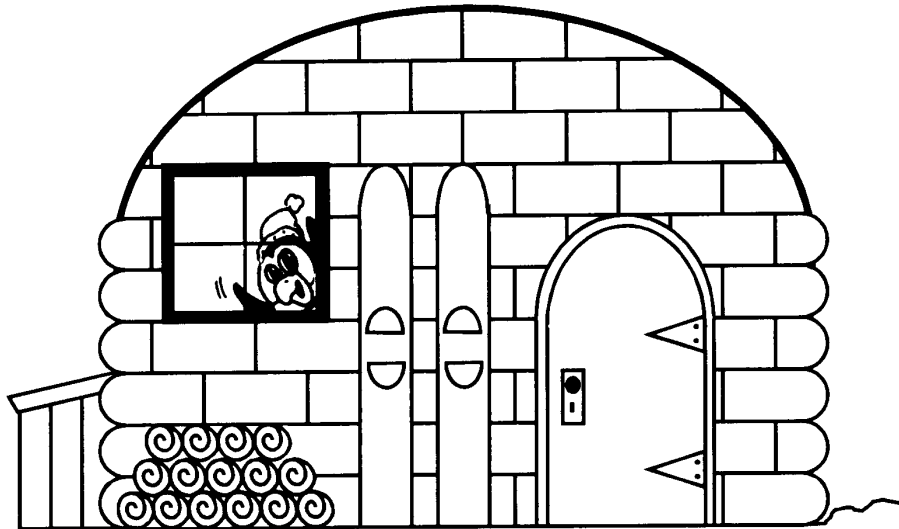
On completion of this activity, make large tiles to fit the floor of Buzz's house. Each day, change the pattern on the floor to one made by a child in the activity.

Name:.....



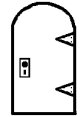







Concept - Length. Measure lengths and distances using arbitrary measures.

Buzz the Penguin's House

Materials: You will need colored pencils.



Use Buzz's ice house to answer the questions and draw the pictures.

How tall is:	Around the house draw:
1. bricks	a  5 bricks high.
2. bricks	a  9 bricks high.
3. bricks	a  2 bricks high.
4. bricks	an  3 bricks high.
5. bricks	a  2 bricks high.