MINISTRY
OF
EDUCATION, YOUTH & INFORMATION
Every Child Can Learn, Every Child Must Learn

MATH COUNTS

NATIONAL MATHEMATICS PROGRAMME

RESOURCE DOCUMENT

FOR GRADE ONE TEACHERS

Objective: *Identify measurable attributes of objects. A box has dimensions (length, width, height), weight, volume (non-standard)*

Topic: Exploring Attribute Worksheet

Provide students each group with four items (mix of heavy and light, small and large). Use suggested items.

> *Rocks, golf balls, and wooden blocks, as well as large but relatively light items such as beach balls, balloons, and large paper bags*.

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Have children compare the weight of the items.

> Arrange Items from **lightest to heavy**

VERY LIGHT					VERY HEAVY
Beach ball					Rock

_____

Have them line up the items from smallest to largest and then from lightest to heaviest.

> Arrange Items from **smallest to largest**

SMALL					LARGE
Rock					Beach Ball

(Guide them to see that larger items do not necessarily weigh more than smaller items.)

Conclusion: What did you notice? What did you find out?

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Objective: Identify objects of equal/unequal length

Topic: Equal or Unequal? - Sample Table

Strings of Equal Length

Set	# of paper clips long	Number of strings in set	Colors of strings in set
1	5 paper clips long	7	2 red 3 blue 2 yellow
2	7 paper clips long	9	5 red 1 blue 1 yellow
3	8 paper clips long	5	1 red 4 blue 2 yellow

Strings of un-Equal Length

COLOUR	5 Paper clips long	7 Paper clips long	8 Paper clips long
RED	2	5	1
BLUE	3	1	2
YELLOW	2	1	2

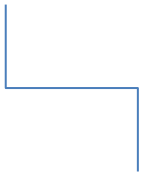
Objective: Identify objects of equal/unequal length

Topic: Estimation Table

OBJECT	**ESTIMATED LENGTH**	**ACTUAL LENGTH**	**COMMENTS**
Book	About 2 hand span	3 hand spans	

Objective: Identify objects of equal/unequal length

Topic: Estimation Table – Which is longer?

LINE	ESTIMATED LENGTH	ACTUAL LENGTH	COMMENTS
			

Conclusions: (What did you use to measure each line? Which lines did you think were of the same length? Did anyone else get the same measure as you by using their hand or foot span? What ideas can you conclude from this exercise?)