

Let's Measure Up Big Book – Table of Contents

Let's Measure Up: Length, Time, Perimeter..... 3

About This Resource:

Make measuring of Length, Time and Perimeter a breeze with our activities that are designed to be used for the whole class or small group centers and can be used as extension activities or independent tasks. Some activities include: Meter Madness, Around the Room, Snake Olympics, Mini Measuring, Time Dominos and a one minute test. Each of the 20 activities and 20 timed drill sheets has simple instructions that will allow each student to work independently and complete the task in a typical single class period. Required are simple Math materials such as blocks, rulers and centimetre cubes that can be found in most classrooms. This Math lesson provides a variety of worksheets creating a well-rounded lesson plan.

Let's Measure Up: Volume, Mass, Area55

About This Resource:

Give your students the necessary materials to run a math competition with a single classroom or multiple classrooms taking part. It also enables you to choose school teams for external competitions. As well, the two sets of questions in each book can be used during regular math class as a fun activity. Included in this unit are the following: teacher information, instructions, practise question sets, level 3 question sets, marking sheets and certificates. The unit is recommended for Grades 5 to 7. This level 3 math competition will engage students while promoting a healthy competition between peers. This Math lesson provides a teacher information section and a student section with a variety of worksheets creating a well-rounded lesson plan.



1



My Height

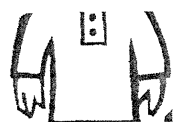
Cut a strip of paper to the same height as yourself.

Use the paper to find:

- 3 things smaller than you
- 3 things taller than you
- 2 things about the same height as you.

Record your results in your book.

Add your height to the class graph.



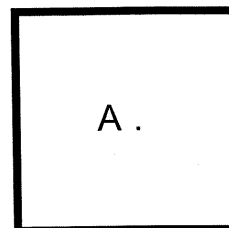
5



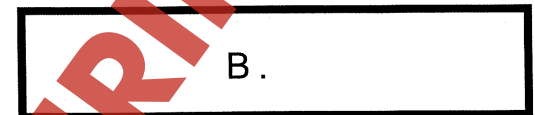
Around and Around

Find the PERIMETER of these shapes.

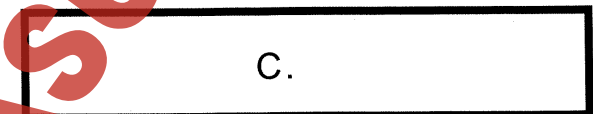
Use your ruler or wool to measure them.



A.



B.



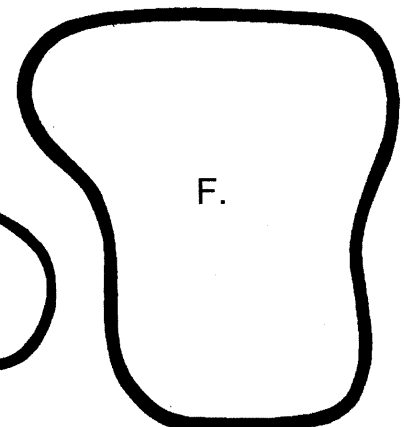
C.



D.

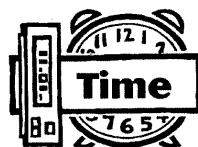


E.



F.

Record the results in your book.



1



One Minute Test

Use a stopwatch or egg timer to time the interval of one minute.

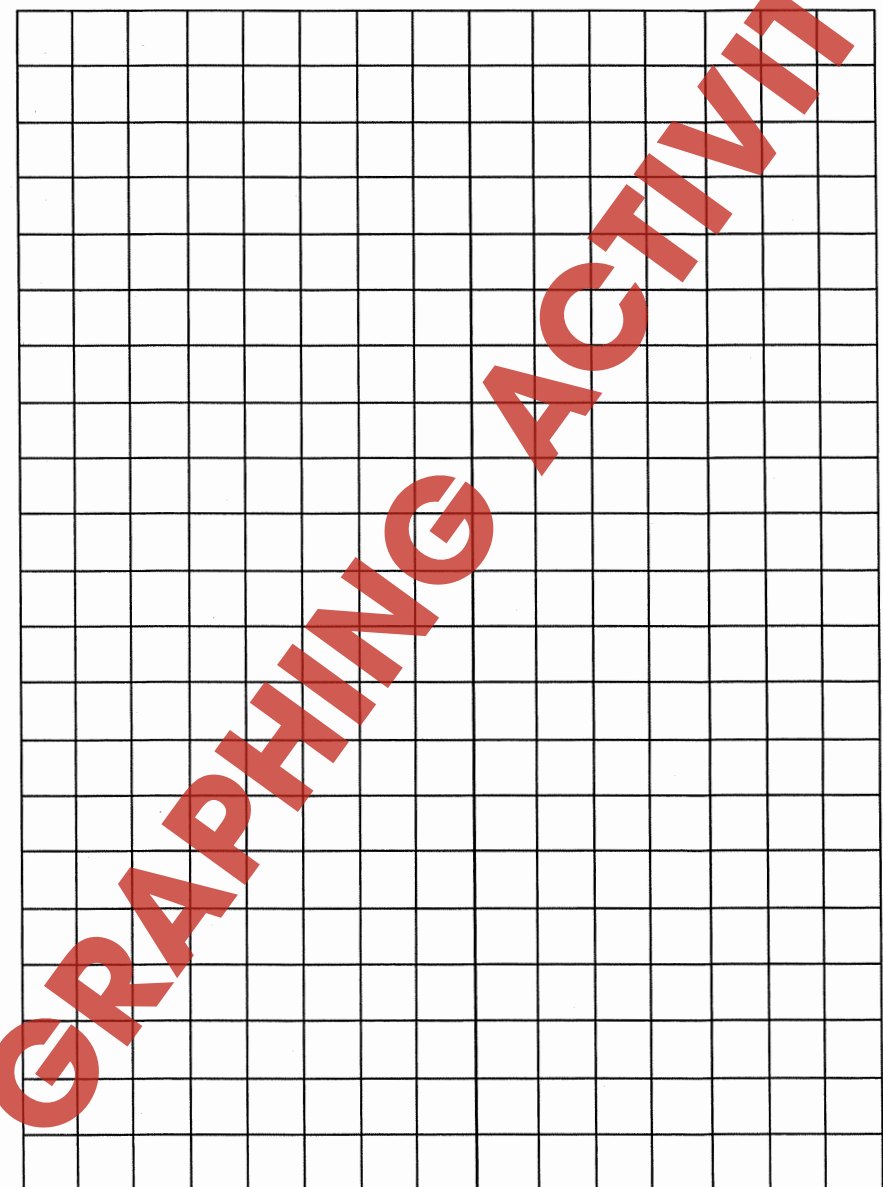
Make a chart in your math book. First estimate and then measure how often you can complete each of the following in one minute.

ONE MINUTE TEST			
Action	Estimate	Actual	Total
Write your name			
Write the letters of the alphabet			
Tie a bow			
Roll a 6 on a die			
Throw a head on a coin			

Make a bar graph showing your findings.

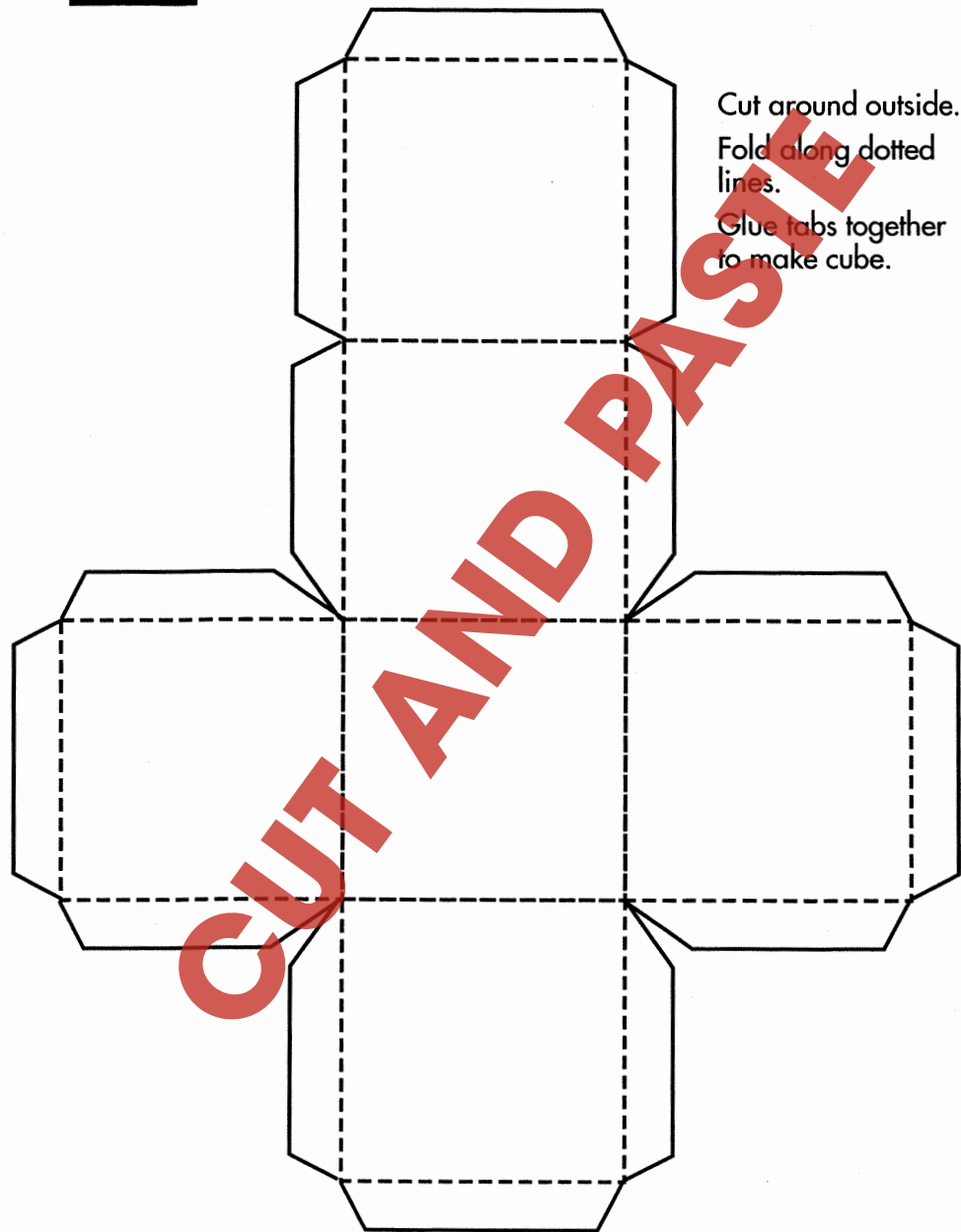


Graph Paper





Cube Net



Cut around outside.
Fold along dotted lines.
Glue tabs together to make cube.



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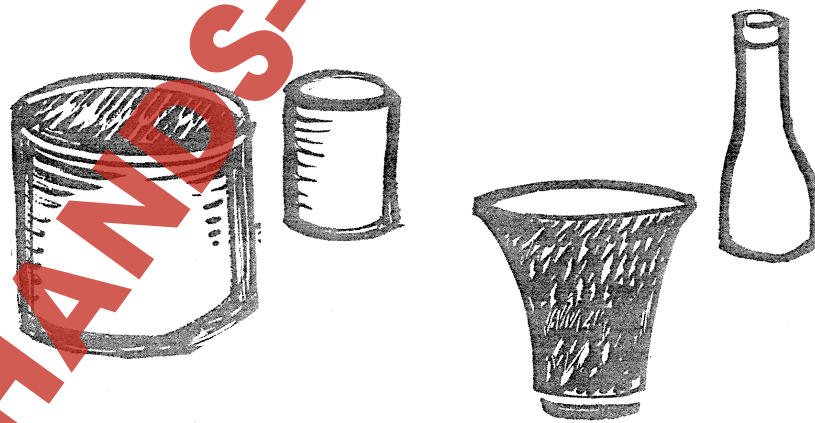
4 Times

Find a large container and a small container.
The large container should hold 4 of the small container.

TEST

Can you do this for other containers where:

- the large container holds 2 of the small container?
- the large container holds 3 of the small container?
- the large container holds 5 of the small container?
- the large container holds 10 of the small container?



20



Who Holds What?



You have a picture of some containers.

Order the containers from smallest to largest.

Write the names of the containers in order in your Math book.

What items in your house are measured in litres and millilitres?

Make a list of at least 6 items for each on a chart like this.

Milliliters	Liters



14



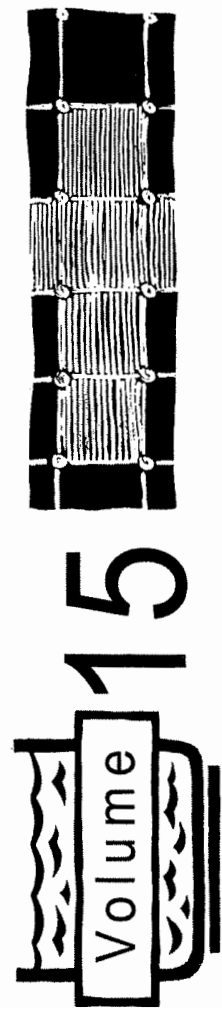
Find Out

Guess the weight of these items and then weigh them with a balance.

Don't forget to write them in grams (g) or kilograms (kg).

Item	Estimate	Actual Weight
• Your left shoe		
• Folder		
• A book		
• A piece of chalk		
• Glue bottle		
• Box of chalk		
• Rock		
• Exercise book		
• Tennis ball		

Record the results in your Math book.



All the Sixes

Take 6 – 1cm cubes (or 2cm cubes).

Make as many different shapes as possible using the 6 cubes each time.

The faces must touch.

Record all the different ways you arranged the blocks.

You may wish to use isometric dot paper.

Cube It

Use 1cm cubes to make bigger cubes.

- 1 x 1 x 1
- 2 x 2 x 2
- 3 x 3 x 3 etc.

How many 1cm cubes are needed to make each bigger cube?

Record your information.

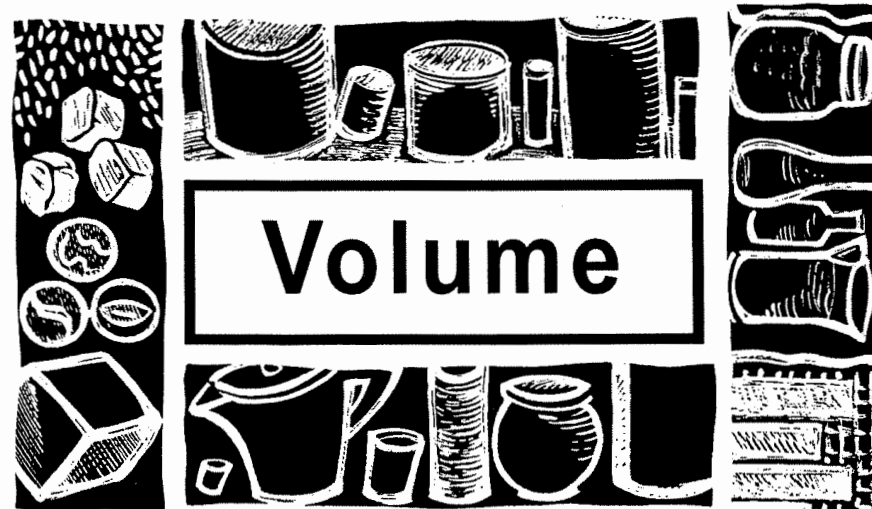
Include pictures.

ANSWER KEY



Answers for Volume Questions

This is a cube pattern 1, 8, 27, 64, 125 etc ie $1^3, 2^3, 3^3, 4^3, 5^3$



ACTIVITY

- In a Row
- I'm Full
- Just Cubing Around
- In a Lump
- Cube Net
- Face
- In the Net
- A Cubic Meter
- In a Box
- Bottle It
- Make a Liter

ACTIVITY

- In a Box Again
- Tablespoons
- 4 Times
- Marge
- All the Sixes
- Cube It
- One Litre
- Getting Bigger
- How Many?
- Who Holds What?