

# Introduction

Let's Measure Up! - Book I, covers the measurement topics of: Length, Time, and Perimeter. The second part of the series, Book II, looks at Volume, Mass and Area. The activities are designed as extension/independent tasks or can be used as a base for teachers to add further activities.

Let's Measure Up! can be used in two ways:

- teachers use the activities for the whole class or small groups. Where needed sheets can be photocopied for all students;
- pages can be used as activity/learning centers. Teachers choose a topic and copy the sheets. Copied activities can be laminated for future use. Students visit the learning center, select an activity and complete it. They then show the teacher the activity card and their results.

All activities have been used in a variety of classrooms and have proven successful.

The activities require only simple Math materials such as blocks, rulers, centimeter cubes etc. that can be found in most classrooms.

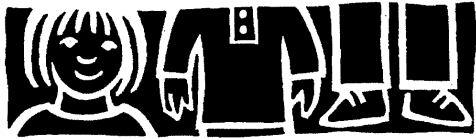
I hope that you find this book a practical and useful addition to your teaching program.

Rob Nelson

**Teachers** - please note that inaccurate photocopying could change the dimensions of some shapes in these resources.



1



## My Height

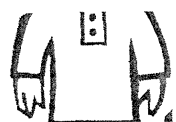
Cut a strip of paper to the same height as yourself.

Use the paper to find:

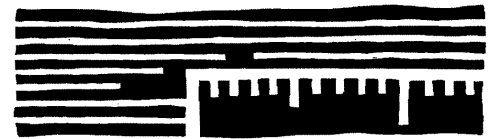
- 3 things smaller than you
- 3 things taller than you
- 2 things about the same height as you.

Record your results in your book.

Add your height to the class graph.



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## Lines Rule O.K.

Use your ruler to measure these lines.

- A.
- B.
- C.
- D.
- E.

Record your answers in your book.

In your book, draw lines these lengths.

- 10cm
- 15cm
- 20cm
- 13cm
- 8cm

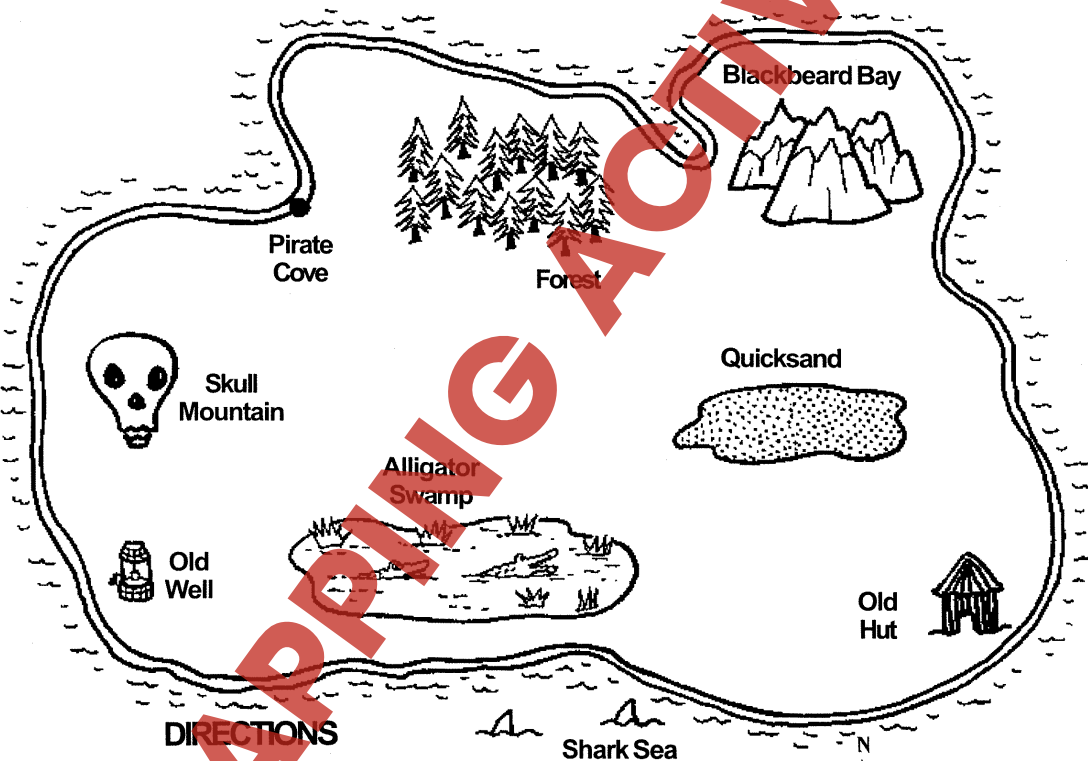


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## Treasure Map

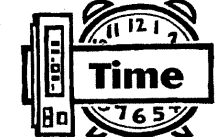
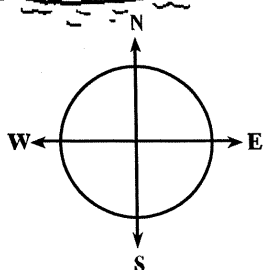
Here is a treasure map. Use the directions to find where the treasure is hidden.



### DIRECTIONS

Start at Pirate Cove

- East 9 cm
- South 4 cm
- West 12 cm
- South 3 cm
- East 15 cm



1



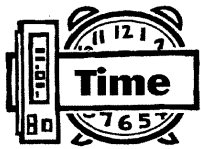
## One Minute Test

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.



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## Matchmaker

Match the analogue and digital clocks with their times.

Record your work in your Math book.

a)



b)



c)



d)



e)



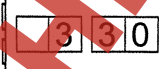
g)



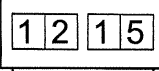
h)



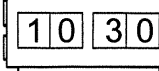
2.



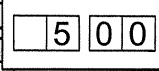
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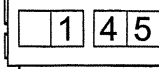
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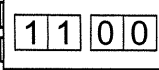
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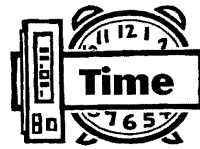
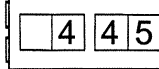
6.



7.



8.



16



half past two

1/2 past 8

six o'clock

six o'clock

quarter past four

quarter to five

3 o'clock

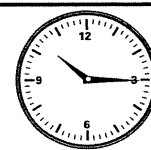
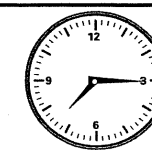
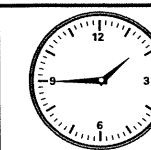
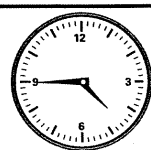
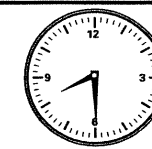
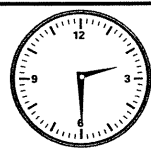
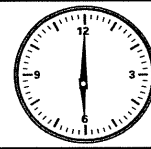
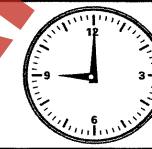
3 o'clock

9 o'clock

12 o'clock

half past two

half past two

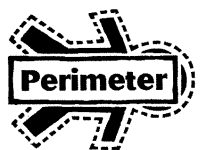


1/4 to 8

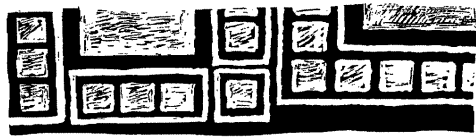
quarter to two

1/4 to 11

1/2 past eight

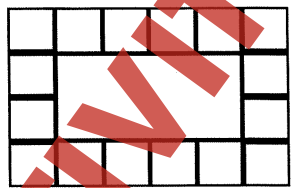


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## Rectangles Galore

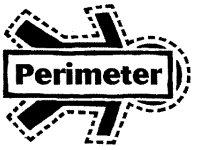
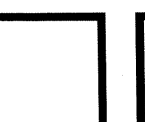
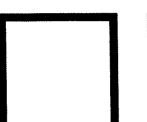
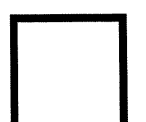
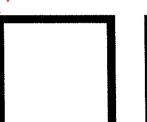
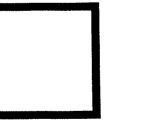
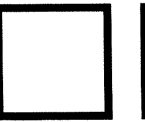
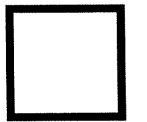
Cut up or use the 16 squares provided to make 4 different 'hollow' rectangular shapes.



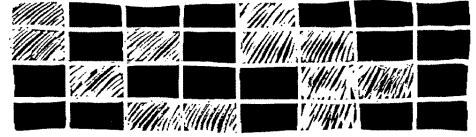
Record your results on a table like this.

	Height	Width	Area	Perimeter
Inside the shapes				

	Height	Width	Area	Perimeter
Outside the shapes				



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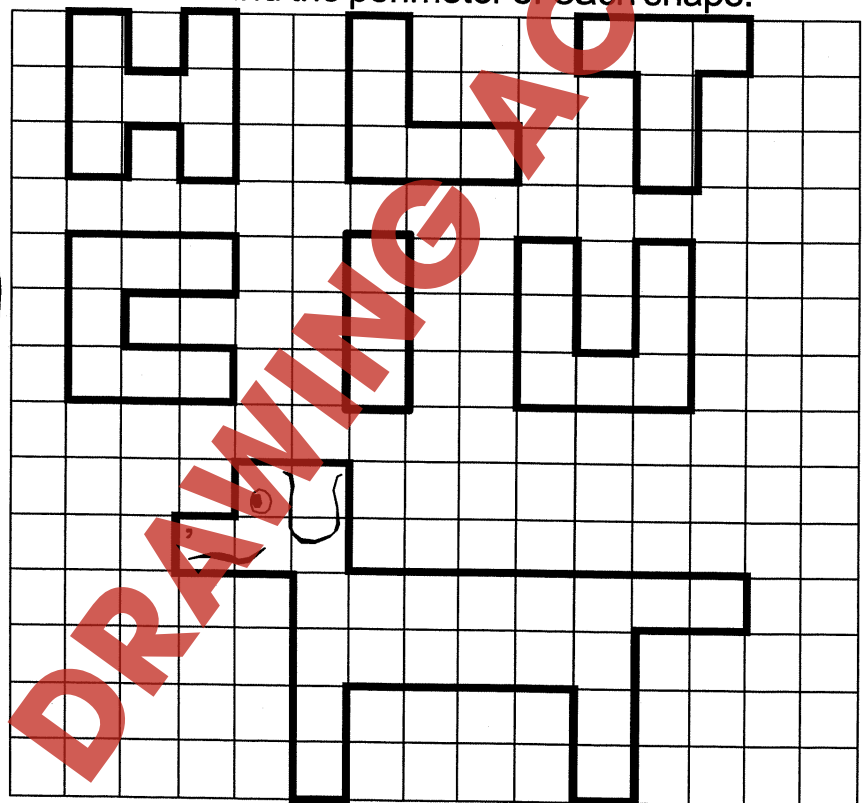
## Squares are Fun!

Each square on the grid is 1 cm long.

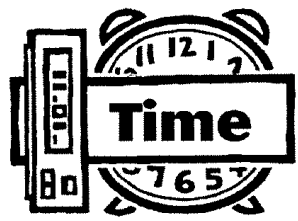
Find the numbers of centimeters around each shape.

Find the perimeter of the funny dog shape.

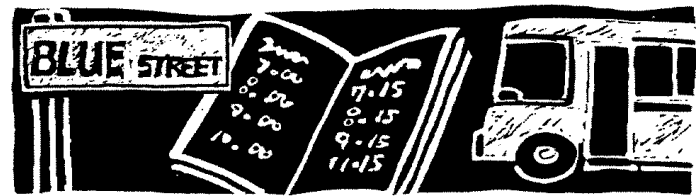
Draw some shapes on graph paper and ask a friend to find the perimeter of each shape.







2



## Bus Timetable

Below is the chart of a bus timetable.

Use the timetable to answer the following questions and complete the activities.

The school is in Yellow St.

- A What is the earliest I can catch the bus?
- B Which bus would I have to catch to get to school on time?
- C How long does it take for the bus to complete its run?
- D Write another section of the bus timetable where the bus begins its route at 6:00 pm.
- E How long does it take to get from Red St to Blue St?
- F Draw the Green St times on analogue clocks.
- G Draw the Yellow St times on digital clocks.

### TIMETABLE

Depot	Green St	Red St	Blue St	Yellow St	Depot
7:00	7:15	7:25	7:30	7:40	7:50
8:00	8:15	8:25	8:30	8:40	8:50
9:00	9:15	9:25	9:30	9:40	9:50



### ACTIVITY

- One Minute Test
- Bus Timetable
- Just a Minute
- Detective
- Make a Clock
- What's the Time?
- Matchmaker
- Order Time
- Very Timely
- Time for TV

### ACTIVITY

- Time Sort
- Marathon Moments
- Footy Time
- Timely Words
- Calendar Capers
- Time Snap
- Time Dominoes
- Match the Clocks
- Timeline
- Timely Table

# ANSWER KEY

## Answers for Time Questions

- A-7.00. B-8.00 bus. C-50minutes. D-6.00/6.15/6.25/6.30/6.40/6.50. E-5minutes.  
 a-5. b-1, c-6, d-7, e-2, f-8, g-3, h-4.  
 A-10.30 + 6.00. B-2hours. C-Summer. D-1½hours (90mins). E-9. F-2hours.  
 1st-Fa'atili. 2nd-Monegetti. 3rd-Jones. 4th-TeWara. 5th-O'Leary.  
 A-2:00 ~ 2:30. B-2:35 ~ 3:05. C-3:20 ~ 3:50. D-3:45 ~ 4:15.