

Mathematics

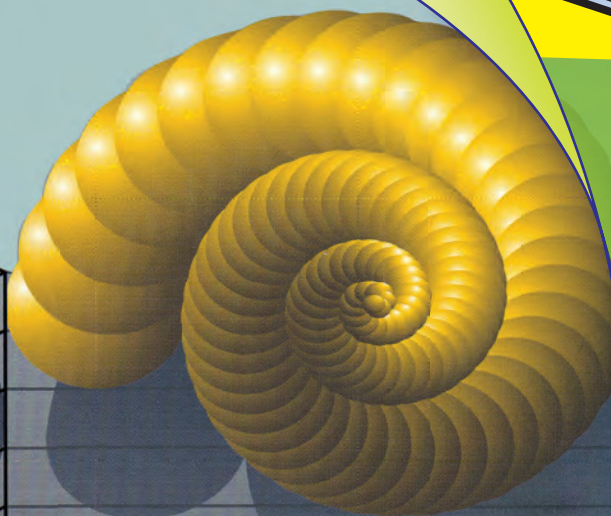
Activity Book 7

Measurement in Mathematics Activities

Teacher Edition

GRADES 6-7

Book
7



NEWPATH
LEARNING®

Contents

Introduction - Overview of Topics	4
Materials Required	5
Measurement: How Long? How Far?	6
Calculate the Distance: Air Routes of Australia	7
Measuring in Kilometers	8
Shapes: Perimeter of Polygons	9
Perimeter of Polygons	10
Circling Around	11
Circles Again	12
What's the Cost?	13
Measurement of Regions	14
Area of Rectangles	15
Area of Rectangles Again!	16
Triangles and Rectangles 1	17
Triangles and Rectangles 2	18
Hectares or Meters? The Choice is Yours!	19
Everything Costs: Area and Cost	20
Volume and Displacement	21
Cubes	22
Capacity	23
Cubic Measures	24
Cubic Meters	25
Volume	26
Measurement and Kilograms	27
Suspension	28
Timelines 1	29
Timelines 2	30
Time and the Universe	31
Time Zones	32
Have You Got the Time?	33
What's the Time?	34
Converting Time	35
Yearly Calendars 1	36
Yearly Calendars 2	37
Answers	38

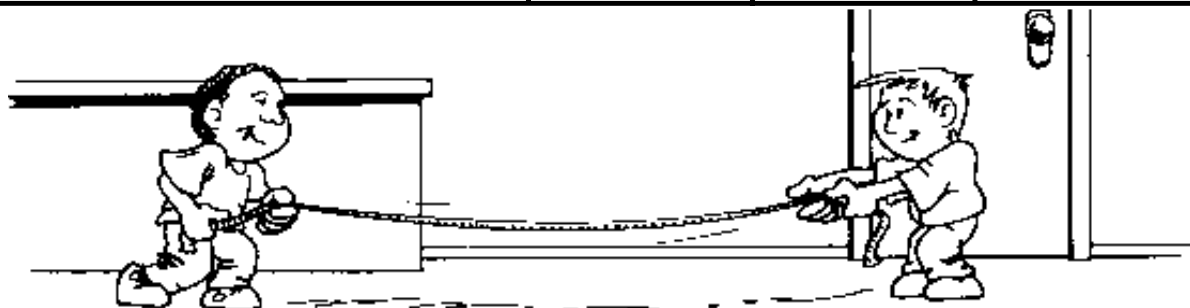
Measurement: How Long? How Far?

- ❑ Use a ruler to find the lengths of the following items.
Choose three more items and measure their length.

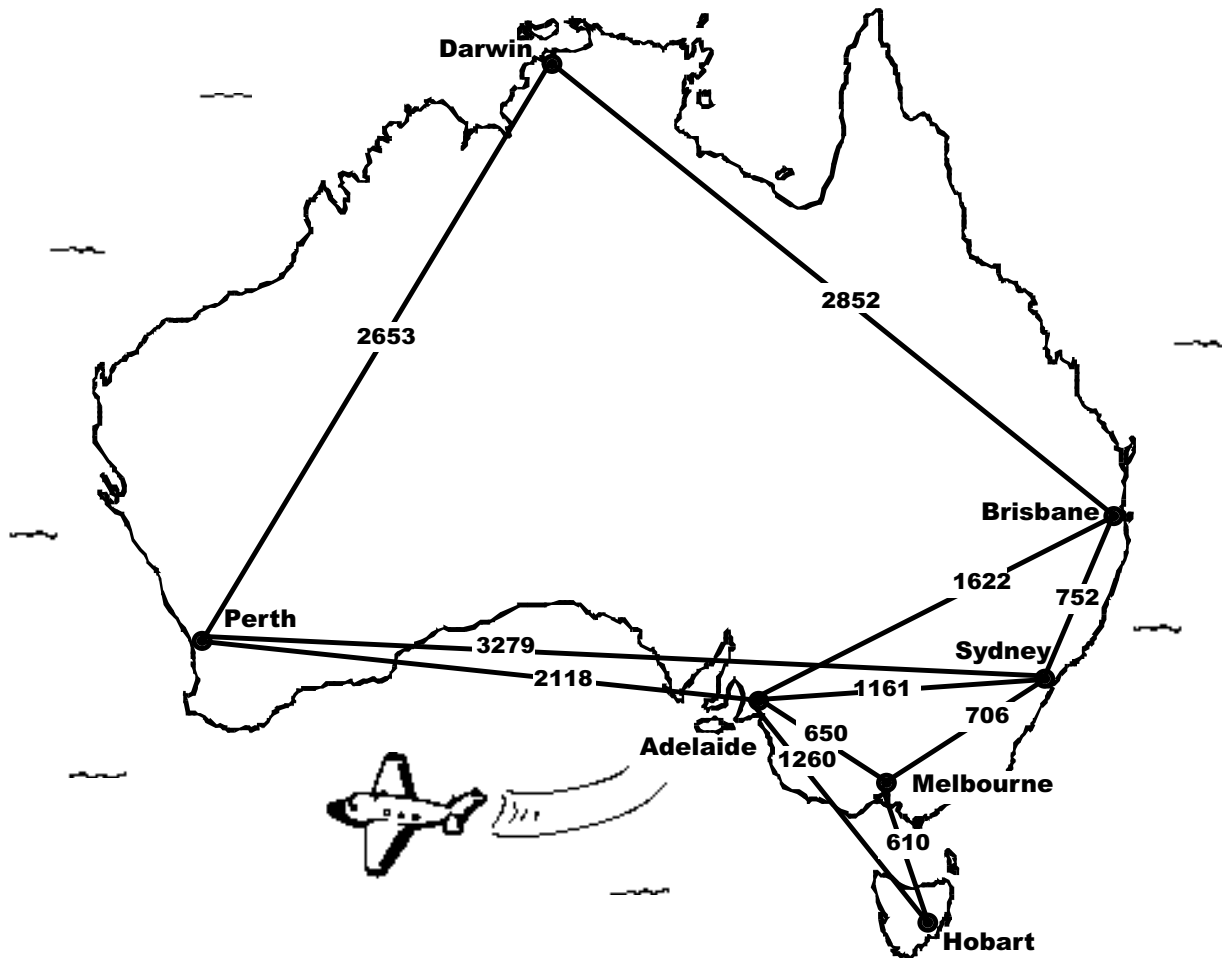
Item: Find the length of ...	mm	cm	m
this page			
your pen			
the blackboard			
your desk			
your classroom			
your math book			

- ❑ Using a tape measure, meter ruler or a trundle wheel, find the distance of the following.
Choose two more distances to measure and list them with their measurements.

Item: Find the distance	mm	cm	m
From your room to the cafeteria			
From your room to the office			



Calculate the Distance: Air Routes of Australia



Use the map to answer these.

1. See if you can travel around Australia, starting and finishing in Perth, visiting every capital city only once? What was the route you took?

..... How far did you travel?

Is there a shorter route than yours? If there is, how far is the shortest route?

2. Using the routes shown the shortest distance from Darwin to Adelaide is
Design a shorter route. Mark it on the map. Use your ruler and the distances on the map to help you make an estimate. Complete the statement below:

The new route is aboutkm shorter than the old route.

3. What is the distance of a return flight from Hobart to Sydney?.....
4. A person wishes to travel from Sydney to Melbourne, then to Adelaide and Perth and then return to Sydney. Calculate the shortest distance possible for the traveler.
It iskm.