



**Ebook Code:
RENZ0047**



K - 2 Maths

Space Activities

A practical resource for teachers of junior primary classes.

Provides students with written activities to help develop and enhance their use of early spatial mathematical skills and strategies.

Written by Merryn Whitfield. Illustrated by Terry Allen. © Ready-Ed Publications - 2004
Published by Ready-Ed Publications (2004) P.O. Box 276 Greenwood WA 6024
Email: info@readyed.com.au Website: www.readyed.com.au

COPYRIGHT NOTICE

Permission is granted for the purchaser to photocopy sufficient copies for non-commercial educational purposes. However, this permission is not transferable and applies only to the purchasing individual or institution.

ISBN 1 86397 606 X

Contents

Introduction	2
Links to Student Outcome Statements	4
Skills Checklist	6
Teaching Notes	7
Activity Pages	
Shape Construction	
What Shape Am I ?	
What Shape Am I ?	
What Object Am I ?	
What Object Am I ?	
Grouping Shapes	
Grouping Shapes	
Grouping Objects	
Grouping Objects	
Cut It / Place It	
Closed and Open Shapes	
Design and Create (Regular Shapes)	
Design and Create (Irregular Shapes)	
Shadow Shapes	
More Shadow Shapes	
Sea Shapes	
Symmetrical Designs	
All Flipped Out!	
Space – The Final Frontier	
Lost and Found	
Barrier Game	
Look / Cover / Draw / Check	
Cut It Up	
Word Path	
Garbage Dump	
Colour in Grid	
Grid and Draw It	
Digging for Diamonds	
Overlapping Shapes	
Regular and Irregular Shapes	
All Squared	
Shape Matrix	
Object Matrix	
Board Game	
Board Game Question Cards	
Features of 3 Dimensional Objects	
Challenge Page	
Maths Concept	
2D Shapes	10
2D Shapes	11
2D Shapes	12
3D Objects	13
3D Objects	14
2D Shapes	15
2D Shapes	16
3D Objects	17
3D Objects	18
2D Shapes	19
2D Shapes	20
2D Shapes	21
2D Shapes	22
2D Shapes	23
2D Shapes	24
2D Shapes	25
2D Shapes	26
2D Shapes	27
Position	28
Position	29
Position	30
2D Shapes / Position	31
2D Shapes	32
Position	33
Position	34
Position	35
Position	36
2D Shapes / Position	37
2D Shapes	38
2D Shapes	39
2D Shapes / Position	40
2D Shapes	41
3D Objects	42
.....	43
.....	44
3D Objects	45
.....	46
Answers	47

Name: _____ Date: _____



What Shape Am I?

☆ Read the clues below to work out the answer. Remember to read all of the clues.

1. I have four corners.
I have two short sides
opposite each other.
I have two long sides
opposite each other.

I am a _____

2. I have one edge.
I have no corners.
My edge is a curved line.

I am a _____

3. My sides are straight lines.
I have three sides.
I have three pointy corners.

I am a _____

4. I am made with one curved
line.
I have no corners.
I look like a squashed circle.

I am an _____

5. I have four straight sides.
I have four corners.
All my sides are the same
length.

I am a _____



THINK ABOUT IT

- Which clues did you find the easiest? Why?
- Which clues did you find the hardest? Why?
- Which shape is the easiest to identify? Do your friends agree? If not, why?

☆ Do Your Own

a) I have _____

b) I have _____

c) I have _____

I am the shape _____

Name: _____ Date: _____

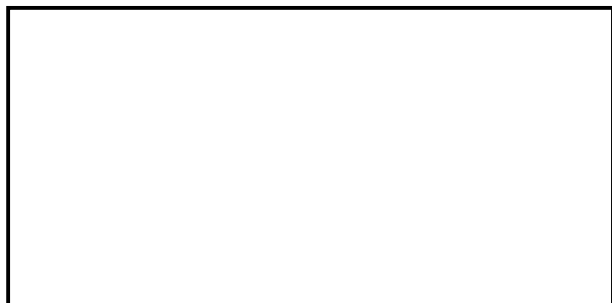


What Object Am I ?

☆ Read the clues below to work out the answer. Remember to read all the clues. Draw a picture of each object underneath.

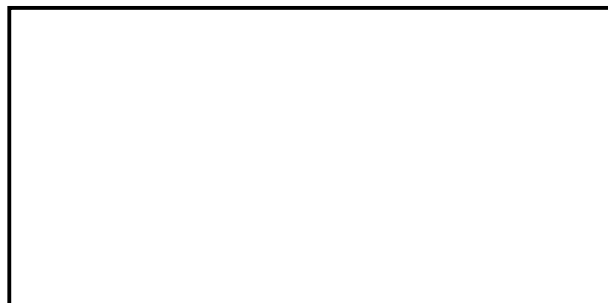
- 1.** I have no edges.
I have no corners.
I am round.
I am a solid object.

I am a _____



- 2.** I am a solid object.
I have six flat faces.
I have pointy corners.
I slide but I do not roll.

I am a _____



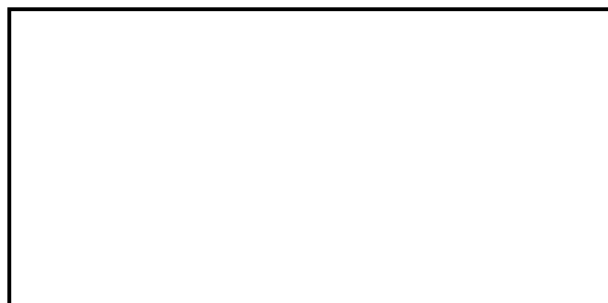
- 3.** I have one flat face.
I have one pointy corner.
My body is curved.
I can slide and roll.

I am a _____



- 4.** I have two flat faces.
My faces are circles.
My body is curved.
I have no pointy corners.

I am a _____



THINK ABOUT IT

- What object was the easiest to draw? Why?
- Which object was the hardest to draw? Why?

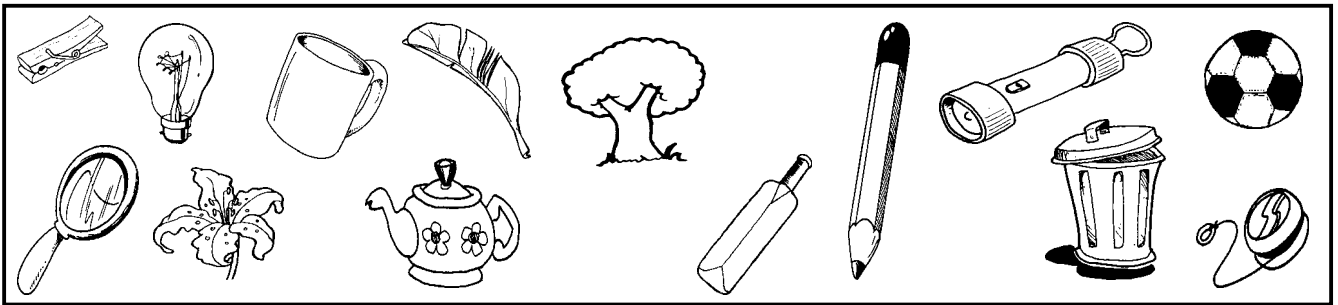
Name: _____ Date: _____



Grouping Objects

☆ Look at the objects in the box below. Talk about them with the other people in your group. What do they look like? What features do they have? How are they similar or different to each other? In the spaces provided, group these objects in different ways.

Object Box



In the space below, sort or group the objects.

--	--

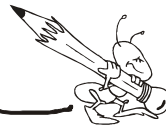
Now sort or group the same objects in a different way.

--	--



THINK ABOUT IT

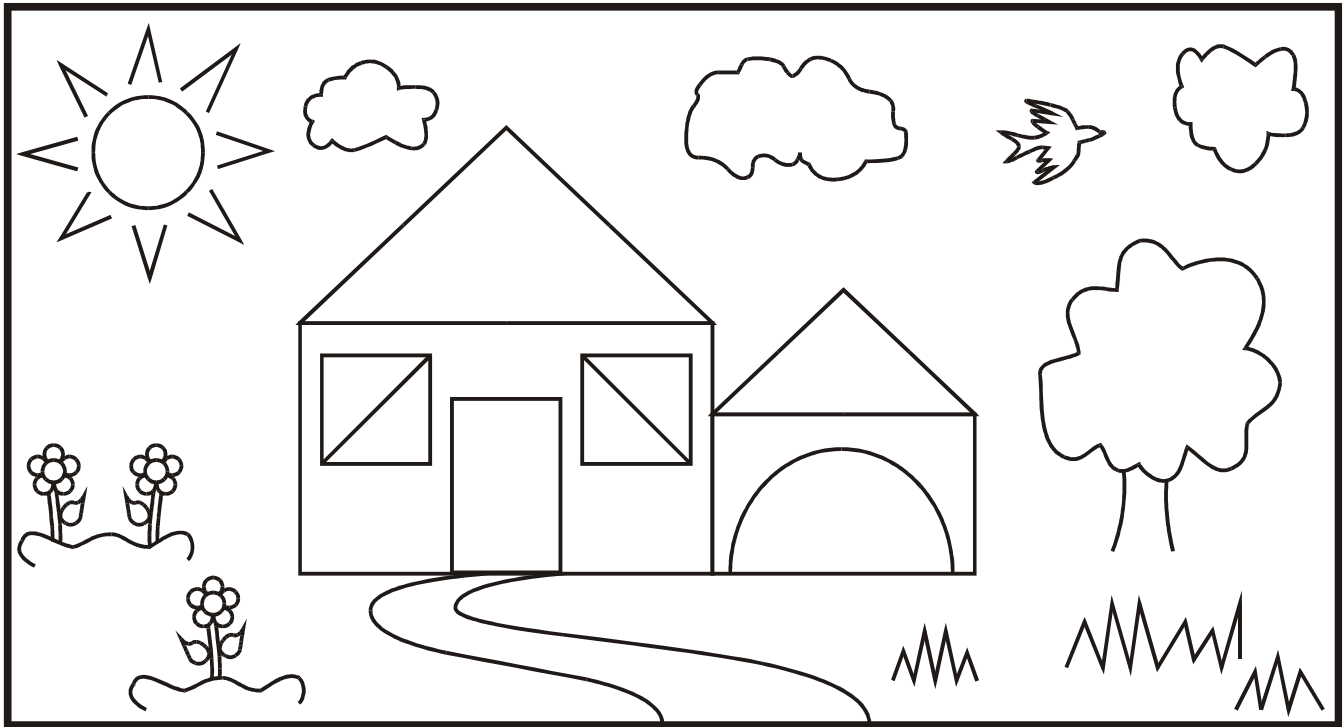
- What was the most unusual object in the group? Why?
- Did your friend group the objects the same way you did? Why or why not?



Name: _____ Date: _____

Closed and Open Shapes

☆ Below is a picture. Look at it carefully. Using the table at the bottom of the page, tally how many closed shapes and how many open shapes you can see.



Tally:

Closed Shapes	
Open Shapes	



THINK ABOUT IT

- How many closed shapes did you find? Is this the same as your friend? Why or why not? _____
- How many open shapes did you find? Is this the same as your friend? Why or why not? _____
- How did you keep track of the shapes you had found so that you didn't count them twice? _____

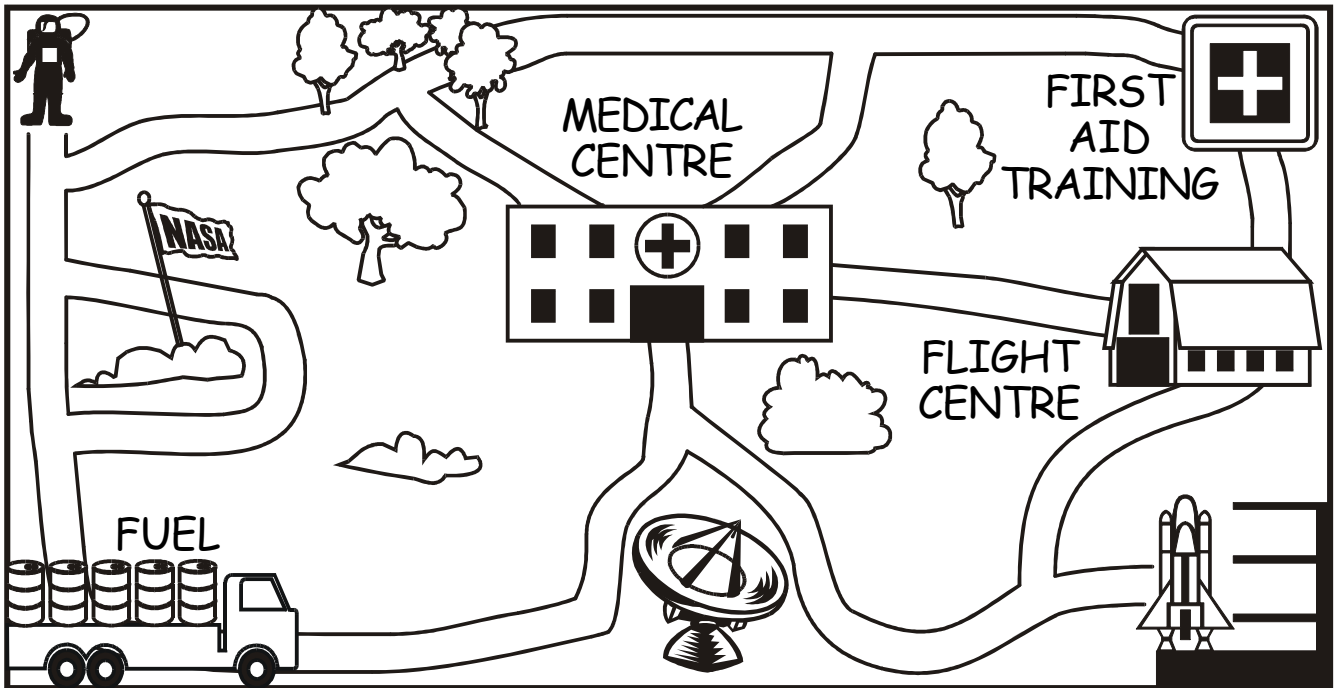
Name: _____ Date: _____



Position

Lost and Found

☆ You are a new astronaut at NASA. You cannot find your way to the space ship that is ready to take off. Follow the directions and draw the path on the map below.



Directions:

Start at the top left hand corner of the map. Travel down the path until you get to where the path splits in two. Do not take the bend, keep travelling forward – straight ahead until you get to the fuel depot where you will turn left. Follow the path as it bends to the left. Go behind the radar and keep walking until you can see the medical centre. Turn around completely to your right and follow the new path in front of the radar. You will get to a fork in the path. Take the path on your right and it will take you to your rocket ship ready for blast off.



THINK ABOUT IT

- Were the instructions easy to follow? Why or why not?
- How could they have been improved?
- On the back of this page, write your own directions to take the astronaut to the flight centre. Get a friend to follow the directions.