

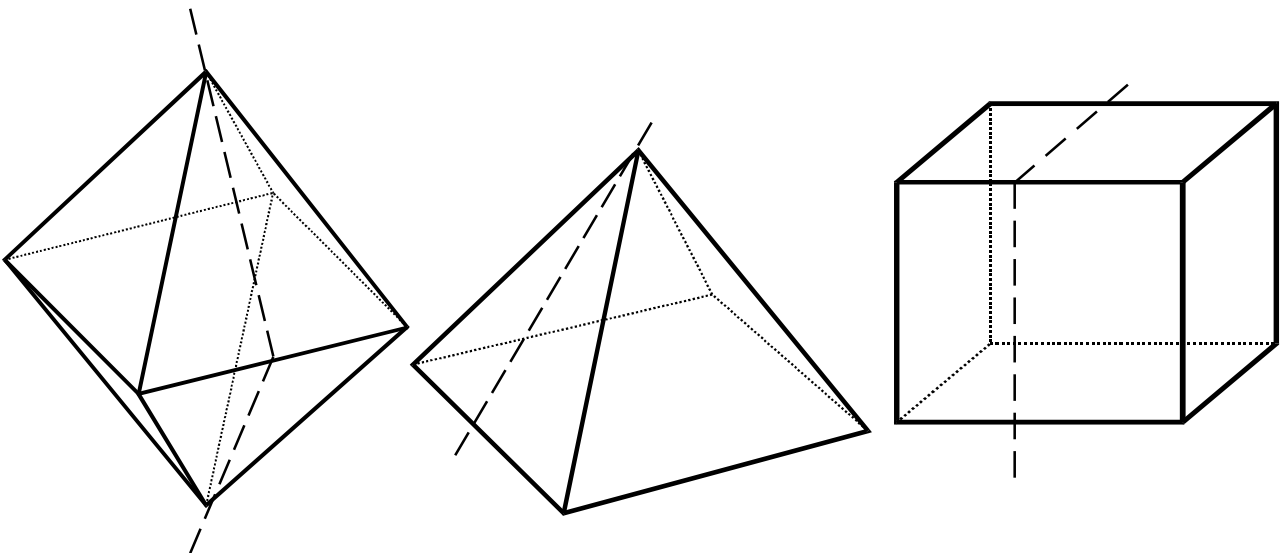
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The Shapes & Spaces Series
Book 2 - For 8 to 10 Year Olds

SHAPES AND SPACES

FOR MIDDLE PRIMARY STUDENTS



Written by Judy Gabrovec. Illustrated by Melinda Parker.

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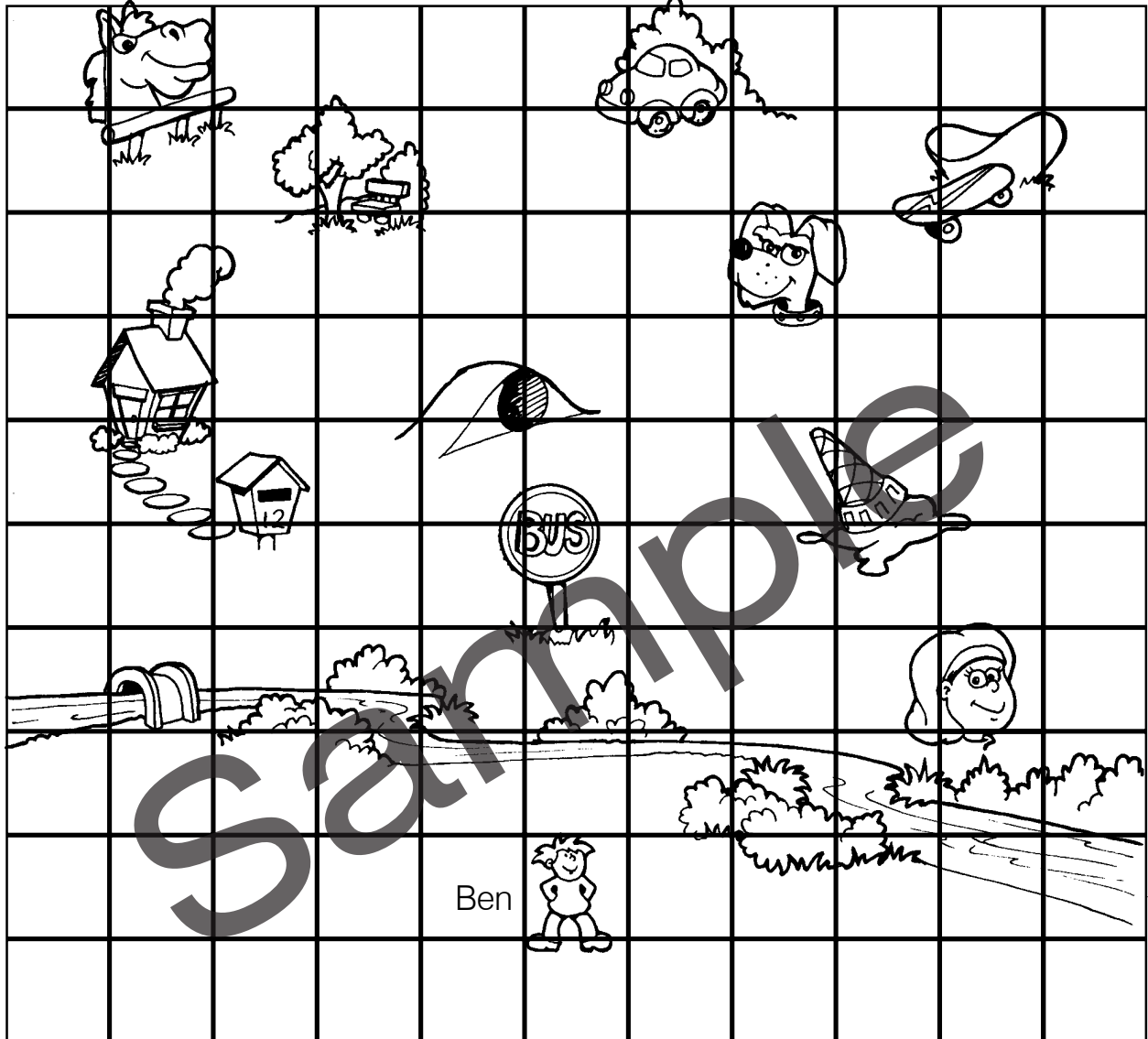
Contents

Teacher Information	2
Pathways 1	5
Pathways 2	6
Mazes 1	7
Mazes 2	8
Ordered Pairs	9
Amazing	10
School Map	11
Enlarging a Picture	12
Reducing a Picture	13
Shapes	14
Similar Figures	15
2-D Shapes	16
Features of 2-D Shapes 1	17
Features of 2-D Shapes 2	18
Symmetry 1	19
Symmetry 2	20
Symmetry 3	21
Symmetrical Patterns	22
Moving Shapes	23
Traversable Networks	24
Tessellations	25
Tessellating Patterns	26
3-D Shapes	27
Everyday 3-D Shapes	28
A 3-D Shape and its Faces	29
A 3-D Shape and its Many Faces	30
Classifying 3-D Shapes	31
3-D Shapes	32
Moving Models	33
Make a 3-D Shape	34
Model Making	35
Cross Sections of 3-D Shapes	36
Triangular Pyramid	37
Square Pyramid	38
Triangular Prism	39
Rectangular Prism	40
Cube	41
Cylinder	42
Cone	43
Hexagonal Pyramid	44
Hexagonal Prism	45
Rectangular Based Pyramid	46
Square Based Prism	47
Octahedron	48

SAMPLES

Pathways 1

☐ Follow the pathways to find out where Ben stopped on each different day. Use the points of the compass to help you follow the pathways accurately.



Pathways

1. Monday N4 E2 N4 W1
2. Tuesday S1 W5 N6 E4
3. Wednesday E4 N5 W5 N2 E5
4. Thursday N7 W2 N1 W2 S3
5. Friday W3 N5 E5 N2 W4
6. Saturday N8 W4 S1 E8
7. Sunday N2 E3 N2 W7 S2

Ben stopped at the

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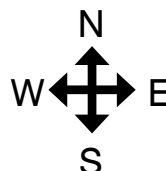
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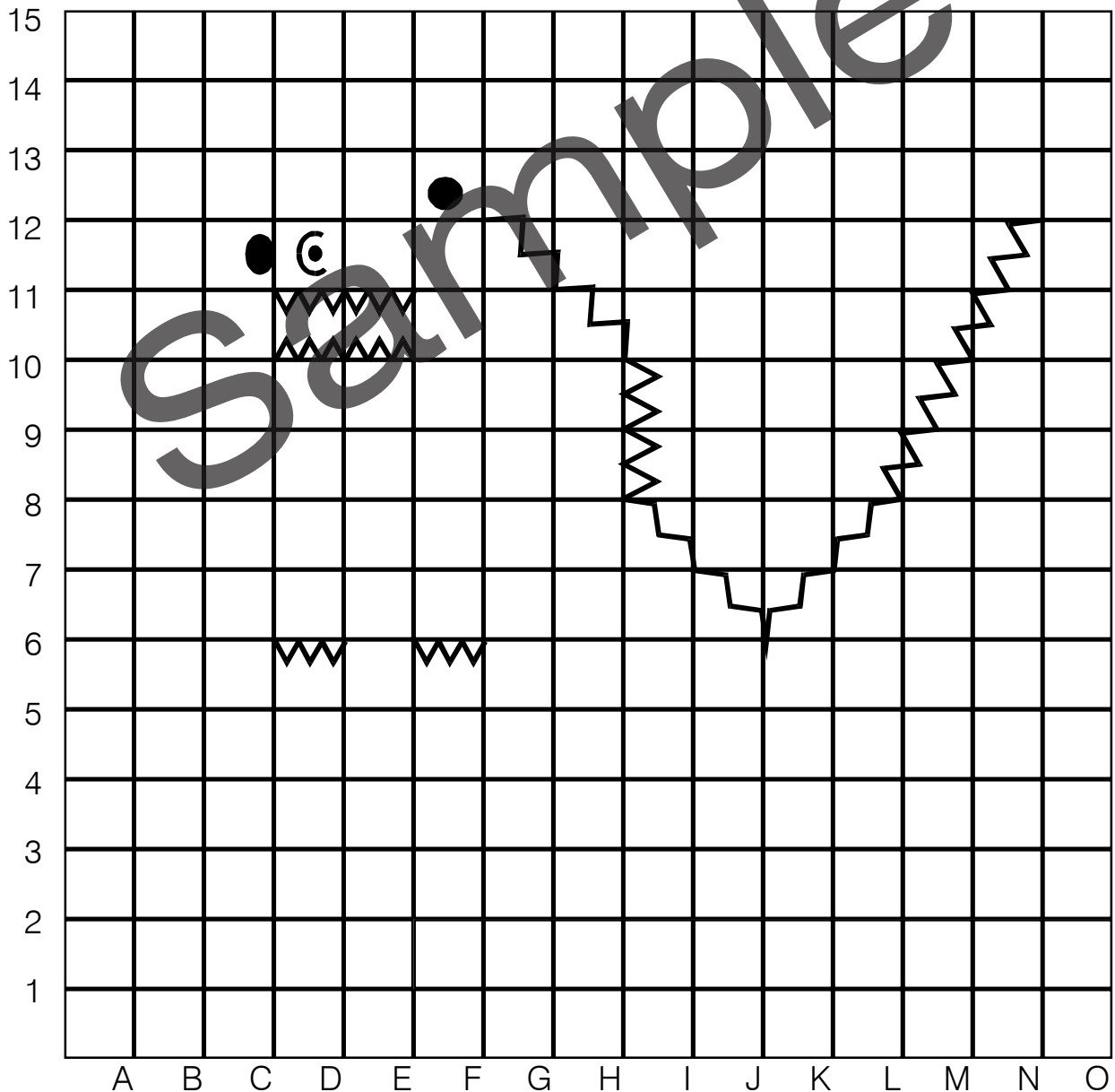


Ordered Pairs

When you use ordered pairs or co-ordinates the horizontal axis is always put first.

☐ Try tracing these (• starting point)

- B1, D1, F3, G2, G1, I1, L4, M6, N9, N12, L8, J6, H8, H10, F12, F13, E13, E12, C12, C11, E11, E10, C10, D9, F9, D7, D5, F3
- E8, D8, C7, C6, D6
- G8, F8, E7, E6, F6, F7, G7
- G2, H2, I3, H4, H5, I6, J6
- B1, B2, C2, D3, C4, C5, D6
- B2, A1, B1
- G2, F1, G1



Similar Figures

☐ Look at all the figures below.

Identify all the circles. How many? Colour them red.

Identify all the rectangles. How many? Colour them green.

Identify all the triangles. How many? Colour them blue.

Identify all the squares. How many? Colour them black.

Identify all the ovals. How many? Colour them yellow.

How many shapes left over?

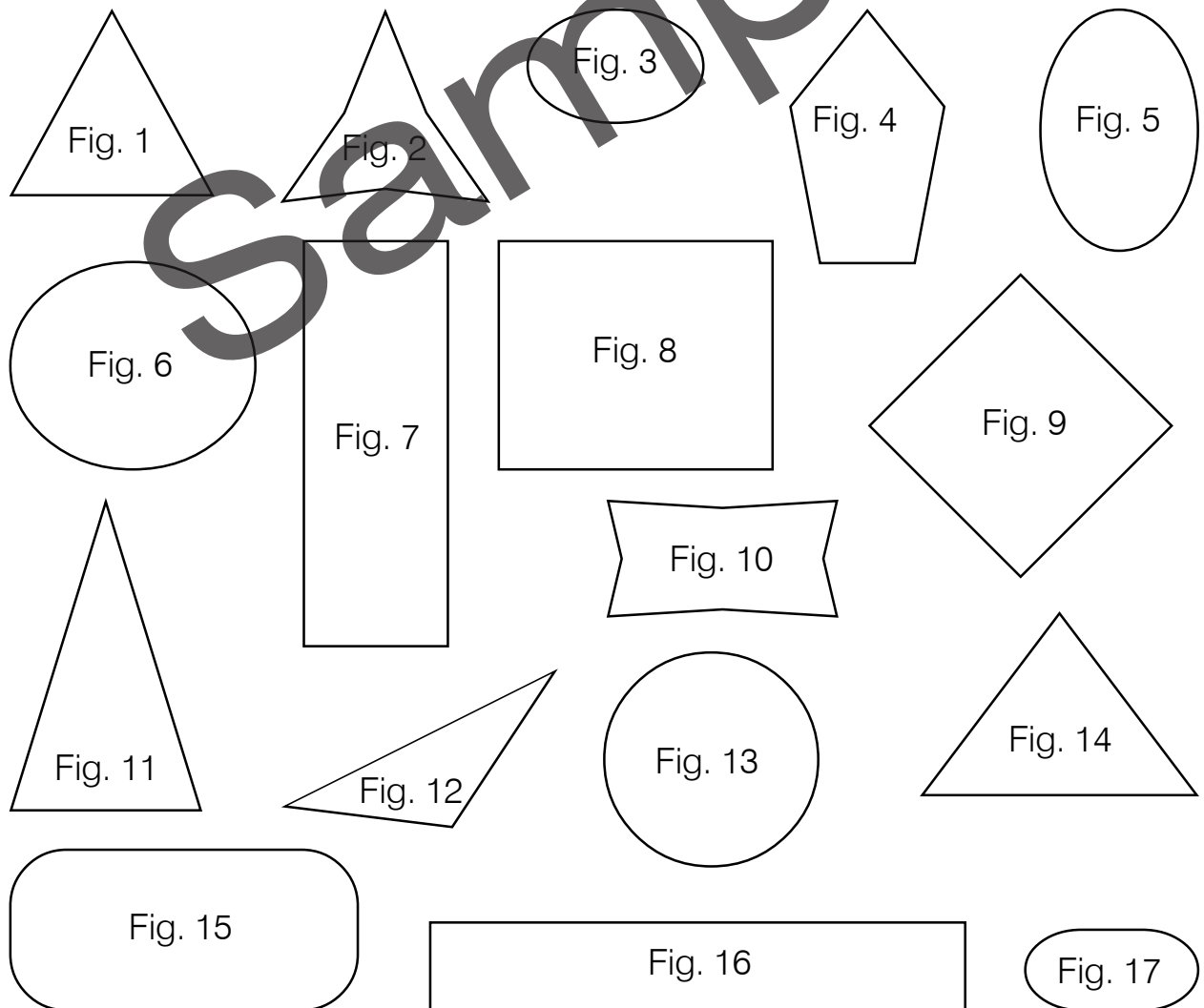
Explain why they do not fit into the shapes categories above.

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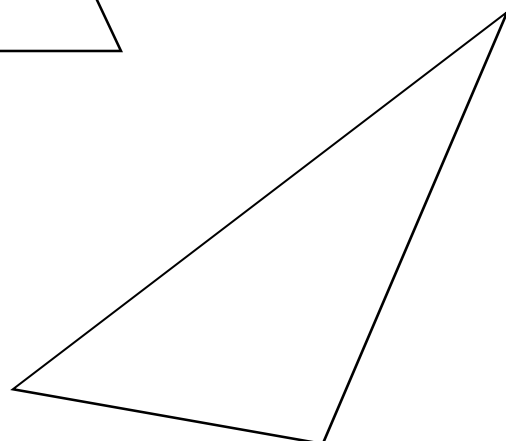
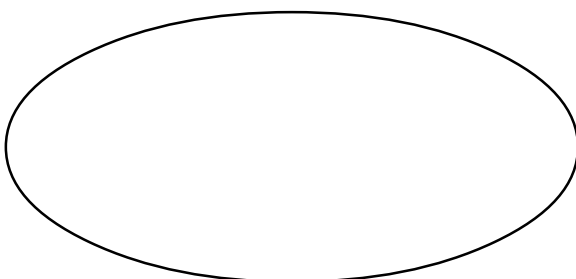
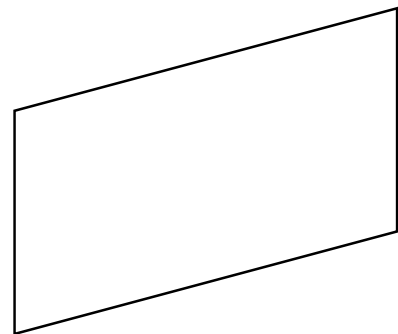
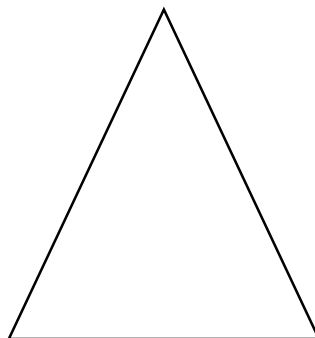
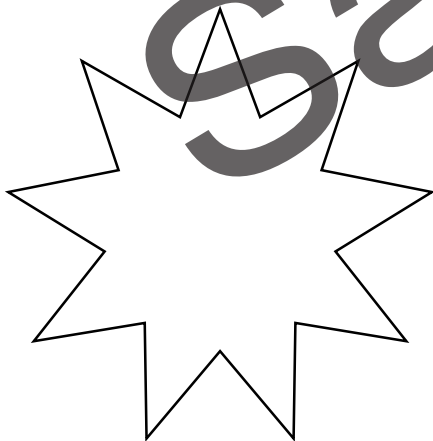
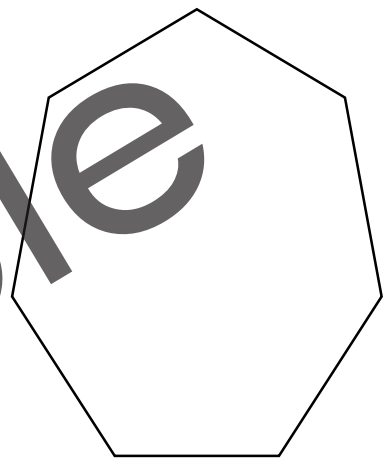
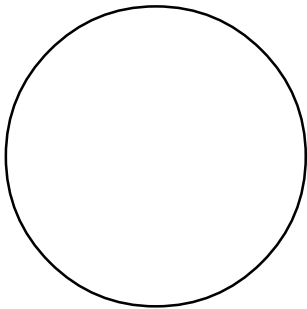
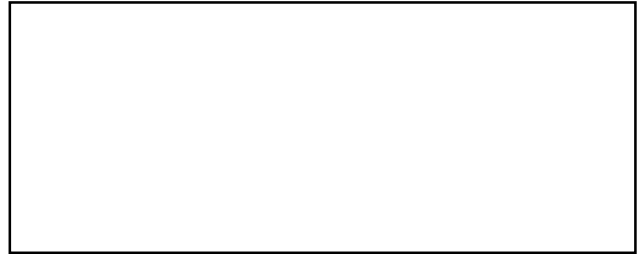
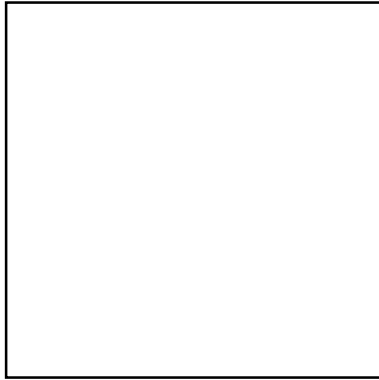
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Features of 2-D Shapes 1

- Discuss the features of the 2-D shapes below.
Use the table on the next page to classify the 2-D shapes.



Achievement Objective: Select 2-D shape figures to match the faces of a 3-D shape.

A 3-D Shape and its Faces

- Use the models of 3-D shapes on pages 39, 43 and 44 to help you do this activity.

Draw lines to show which 2-D shapes match the faces of the 3-D shapes.

