

# Lesson 27 • Patterns

## Learning objectives

Children will:

- identify colour, shape and number patterns.
- complete and continue patterns.

## Australian Curriculum Content Descriptions

### Number and Algebra

*Patterns and algebra*

**ACMNA005** copy, continue and create patterns with objects and drawings; create and describe patterns using materials, sounds, movements or drawings

*Number and place value*

**ACMNA001** identify the number words in sequence, backwards and forwards, and reason with the number sequences, establishing the language on which subsequent counting experiences can be built

## Key vocabulary

pattern, colour, black, green, yellow, pink, blue, shapes, square, triangle, numerals 1–10, match, continue, number, order, smallest, largest, missing

## Extra assistance

Knowledge of patterns is a basic skill which helps students understand patterns in number, such as skip counting, repeated addition, multiplication and so on. Colour and shape patterns are an easy and fun way to start. Have your class continue patterns you make as well as making their own patterns. For more advanced students, ask them to identify the core of the pattern, ie which sequence is being repeated. For example, in ABABAB the core is AB.

## Classroom activities

### Collage

Provide students with a large piece of paper divided into rows. Ask them to make a different pattern in each row. They could draw shapes or alternate colours. They could glue on pictures cut out of magazines or catalogues, using colour or size to create a pattern. They could gather natural materials such as twigs and leaves and tape them onto the paper in patterns.

### Where is it?

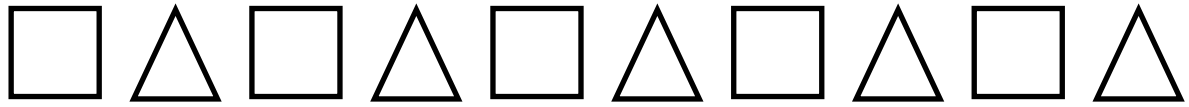
Take close-up photos of patterns from around the classroom – look at carpet, linoleum, curtains, cushions, vertical blinds showing light and shade and school uniforms. Put the photos on the board. Ask the class to find each pattern in the room and copy it onto paper with coloured pencils, textas or crayons.

Mathseeds Lesson sequence	TEACH Content and skills	PRACTISE Children will:	APPLY
<i>Animated Lesson:</i> Recognise patterns	Introduce patterns made with colours and movements. Song: <i>Clap a Pattern</i>	make patterns with colours.	<b>Worksheet 1</b> Pattern recognition
<i>Draw:</i> Dotty Shapes	Reinforce correct formation of shapes.	draw shapes using a set of dots as corners.	<b>Worksheet 2</b> Making patterns
<i>Find:</i> Let's Paint, Colour a Pattern, Find the Match, Continue the Pattern, Mugs in a Row	Visual discrimination: identify colour words. Recognise and complete a pattern. Recognise matching shapes.	select the correct colour to match the word. Complete the pattern. Find the cards with shapes that match.	<b>Worksheet 3</b> Continuing patterns
<i>Count:</i> Stamping Shapes, Out of Line, Lily Pads	Counting skills: count out shapes to match numerals. Identify correct numerical order.	stamp a given number of shapes. Put numerals into a number line in correct order.	<b>Worksheet 4</b> Check
<i>Read:</i> Book	Read aloud book.	listen, follow the reading and read along.	<b>Mathseeds book 27:</b> Shape Patterns

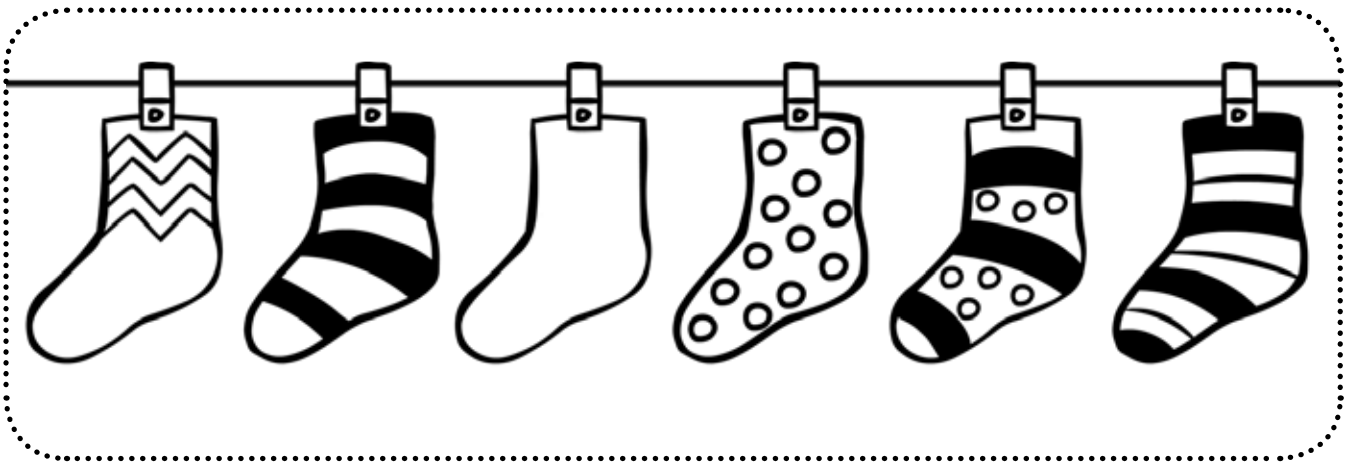
**Patterns**

Name \_\_\_\_\_

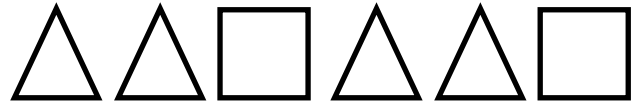
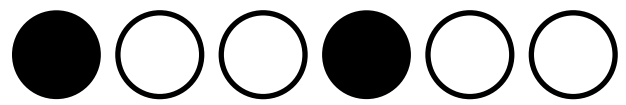
1 Which lines show a pattern? Colour the patterns.



2 Colour the socks with patterns on them.



3 Circle the patterns. Colour them.





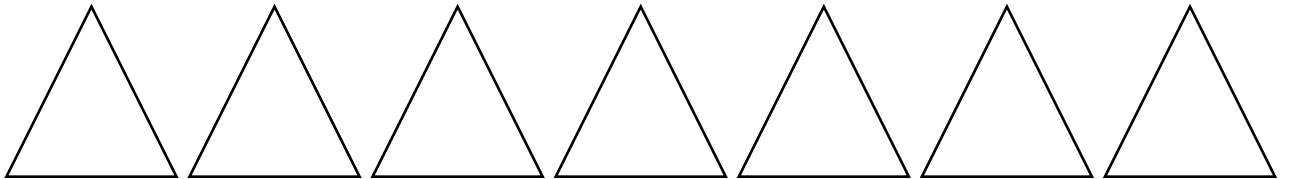
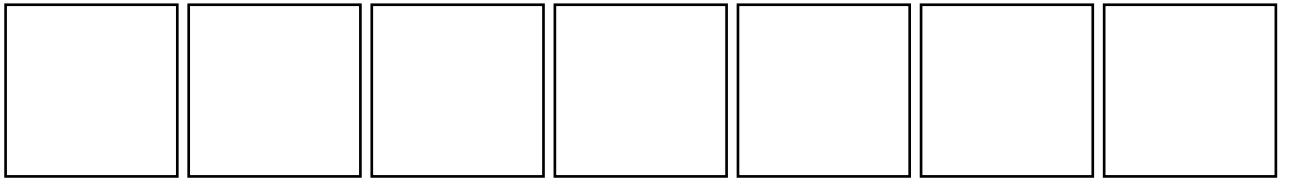
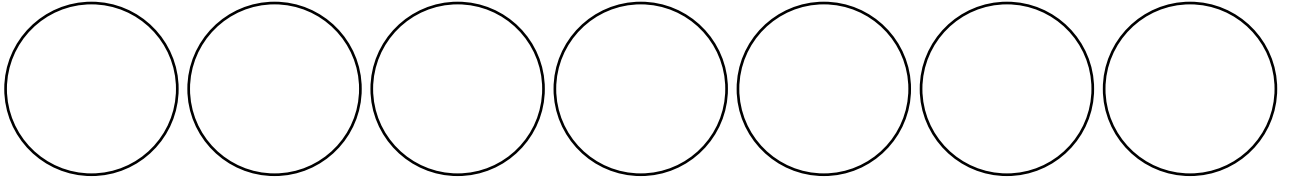
# Patterns

## Lesson 27 • Worksheet 2

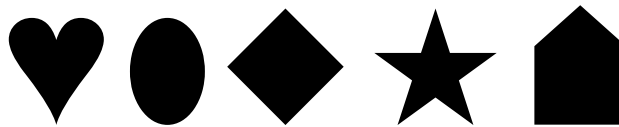
## Making patterns

Name \_\_\_\_\_

1 Colour your own patterns.



2 Make shape patterns using these shapes.





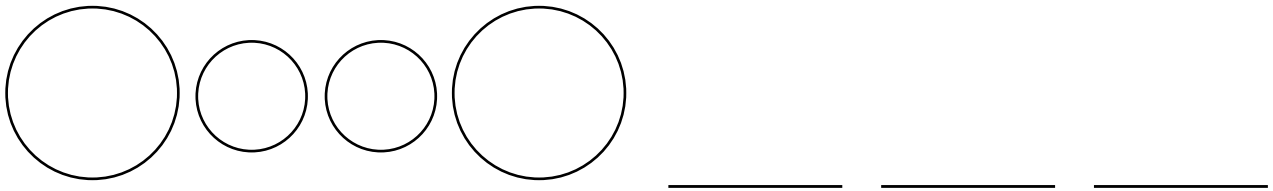
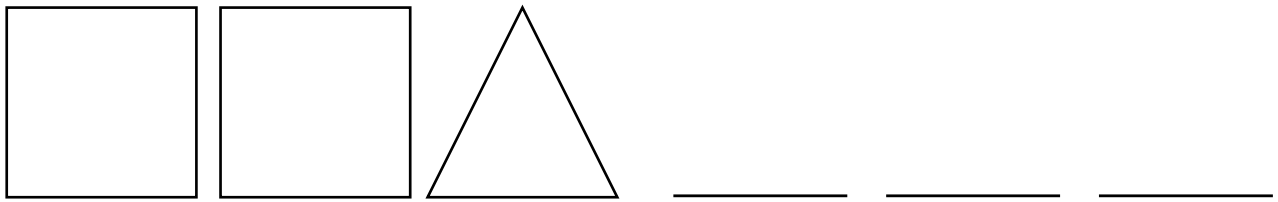
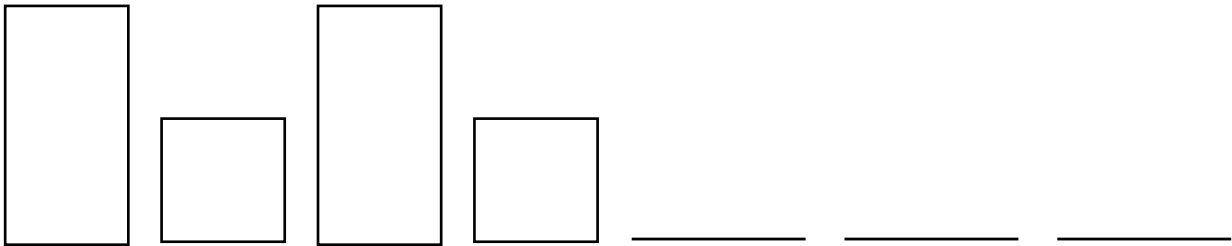
# Patterns

## Lesson 27 • Worksheet 3

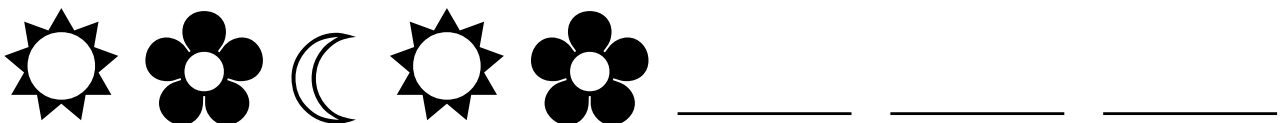
## Continuing patterns

Name \_\_\_\_\_

1 Draw the next three shapes in each row.



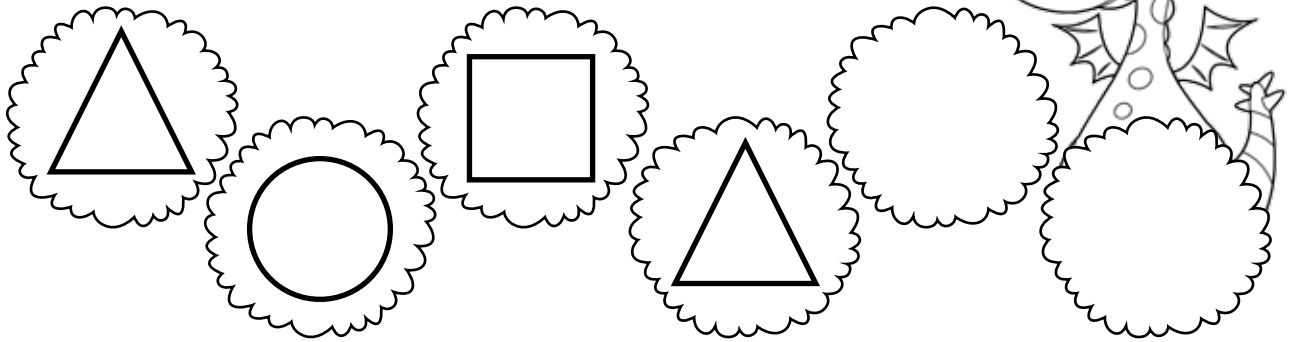
2 Draw the next three things in each pattern.



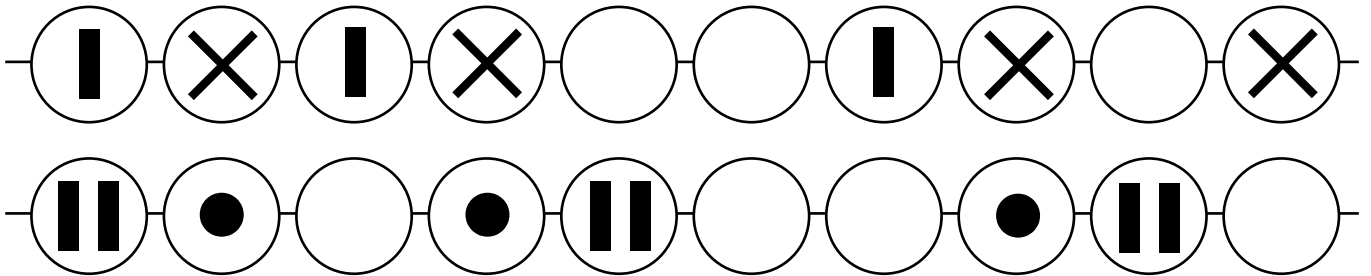
**Patterns**

Name \_\_\_\_\_

1 Complete Dizzy's pattern.



2 Draw in the missing beads.



3 Colour these shirts to make a pattern.

