

## At-Home Investigation

Use your loop of string to make the following shapes. Draw what you have made. Try to find each shape somewhere in your house and take a photo of it or draw it.

### Make these shapes from your loop: Triangles

- Make a triangle using your loop of string. Make 2 other triangles using the same loop of string. Draw each triangle here:
  
  
  
  
  
  
  
  
  
  
- Find a triangle in your house. Hint: look for shapes in wall paper, or symbols on a remote control. Take a photo or draw it here. Find as many as you can.

### Make these shapes from your loop: Shapes with 4 sides

- Make 5 different shapes with 4 sides from your loop. Draw them here and name them if you can.

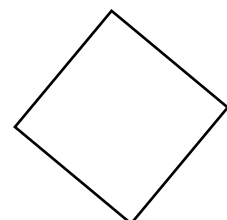
### Think about it:

What shape is this? Put the paper down and walk around the shape to look at it sideways.


Measure the side lengths. Are they the same?


Are the angles or corners square? Do they form a right angle?

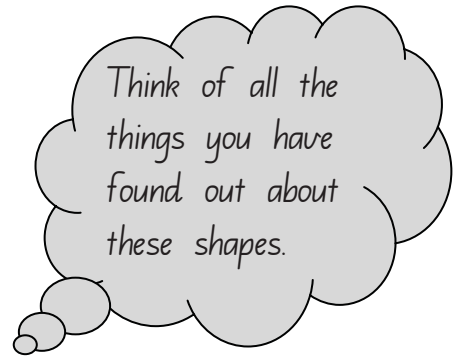
What does that tell you about the shape?





**Problem 31: 2D shapes**


 Make a picture of a circle in your mind.

 Draw a circle here.





 Make a picture of a triangle in your mind.

 Draw a triangle here.

 Make a picture of a rectangle in your mind.

 Draw a rectangle here.

 Make a picture of a square in your mind.

 Draw a square here.


**Problem solving:**


Teacher initials:

Date:

Student solved the problem with:

- Minimal help
- Some prompting
- Solved after explanation
- Did not work out a solution by themselves
- N/A – not a novel problem

 How is your circle different to your triangle?

 Tell a friend about your ideas.


Peer Assessment

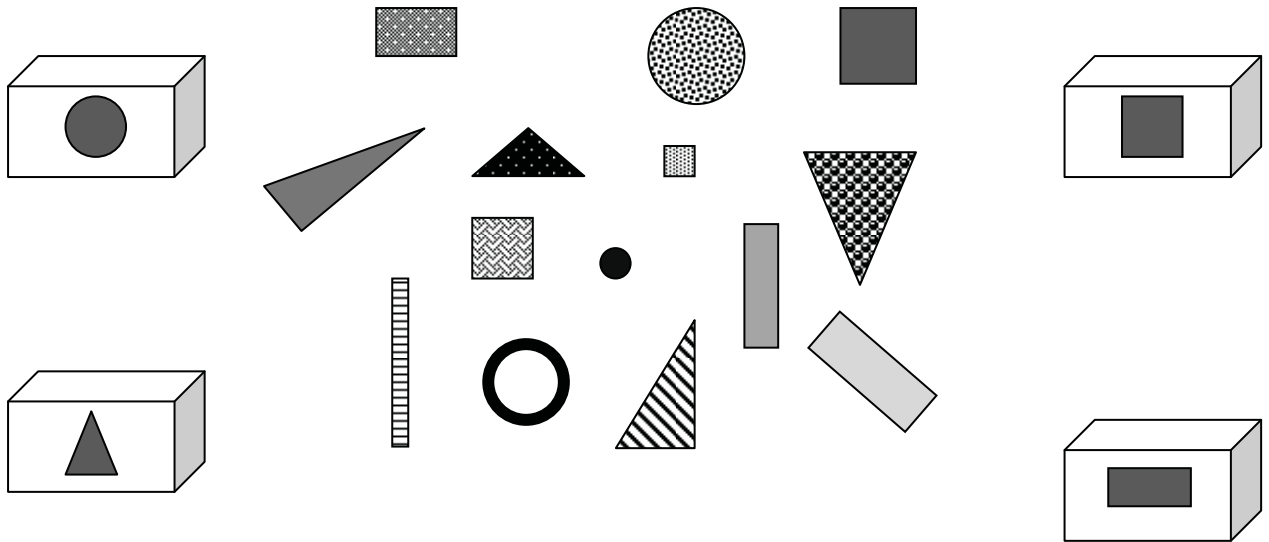
Name:




## Application problems

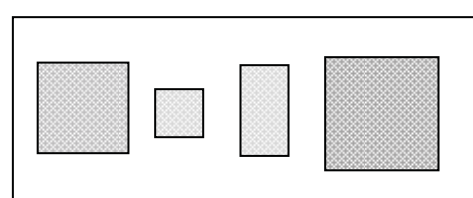
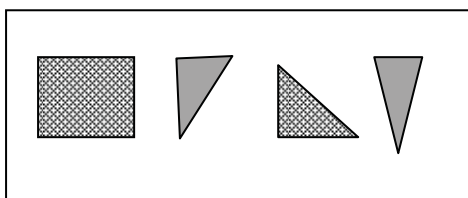
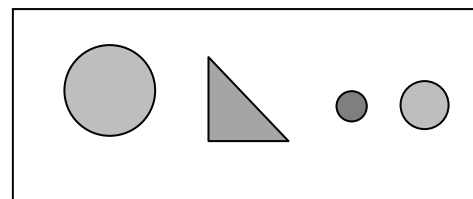
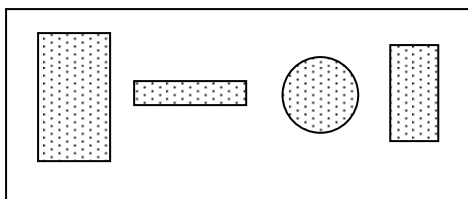
1. Tori found a bag of tiles. She decided to sort them into boxes. Which box do they belong in?

 Draw a line from the tile to the box it belongs in.



2. Tori has made these groups of tiles. In each group, one of the tiles doesn't belong. Which one doesn't belong?

 Draw a circle around the tile that doesn't belong.



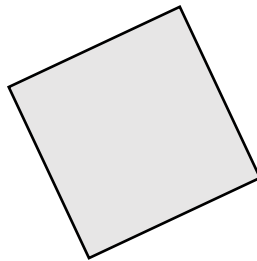
## Interleaved practice

Number:

1. Starting at 14, count back in 2s until you get to 2.
2.  $8 + \underline{\quad} = 12$
3. What number comes before 30?
4. Write the number 24 in words.
5. Share 12 counters equally between 4 people. How many does each person get?

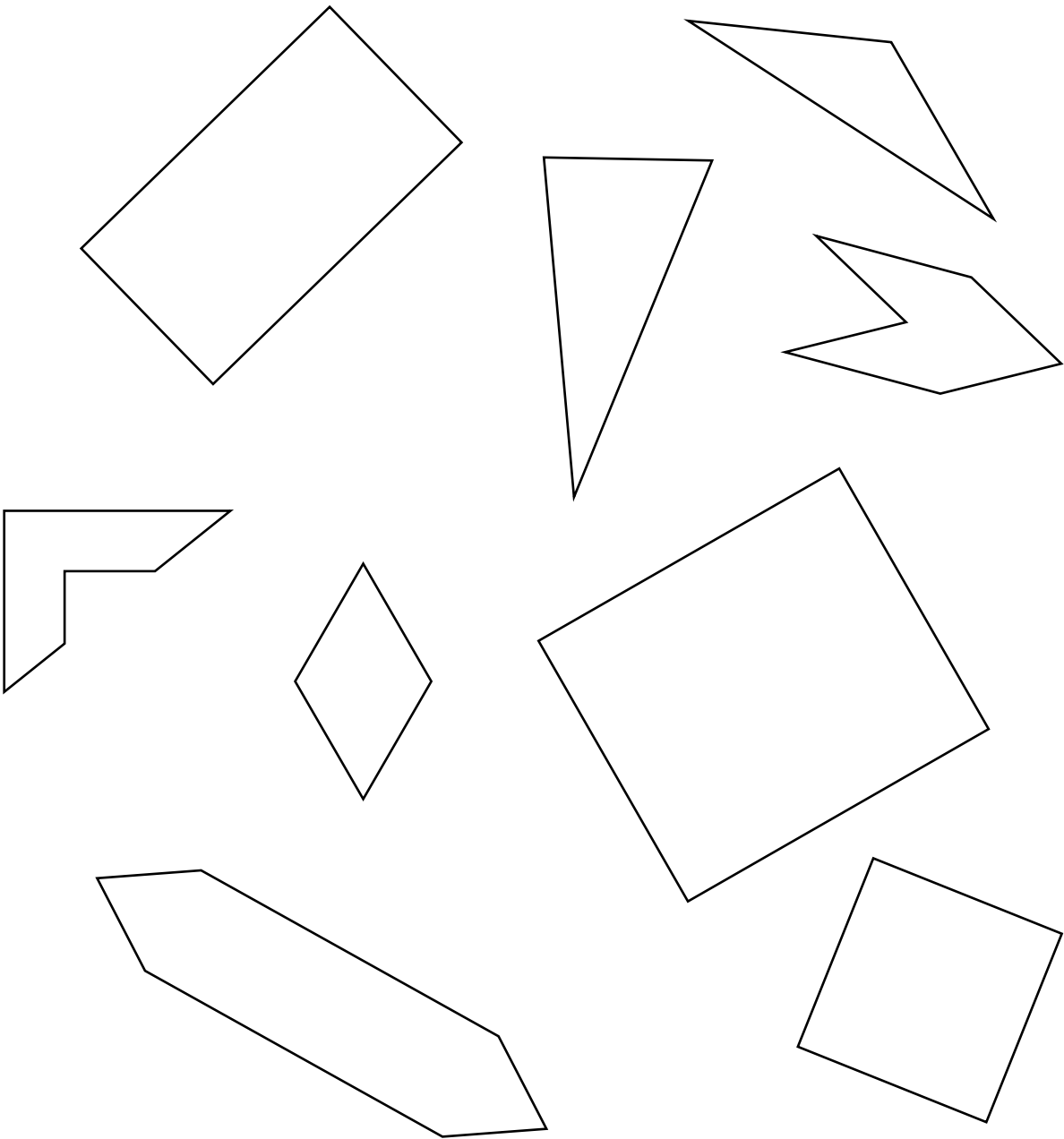
Measurement/Geometry:

6. Find a long object and a short object. What are they?
7. What time is it?
8. What shape is this?



Chance/Data:

9. Use tally marks to count up how many teddies or cars you have.



## Manipulation problem

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This is a description of one of the tiles Tori found.

This tile has 3 sides and 3 corners.

All of the sides are the same length.

One of the corners is pointing upwards.



Draw this tile.

## Backwards problem

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Tori covered some parts of these tiles. Can you tell what shape they are?



Finish the drawing of the tile to show the part that is covered.

