

Worksheets by Smile Number

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2034a	Likely or unlikely
2035	Symmetry Codes
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2058	Tie
2079a	Sketchy Activity

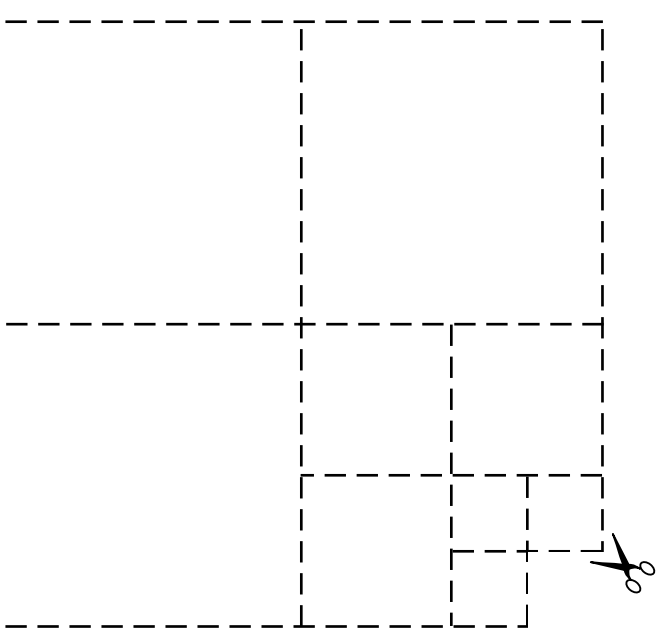
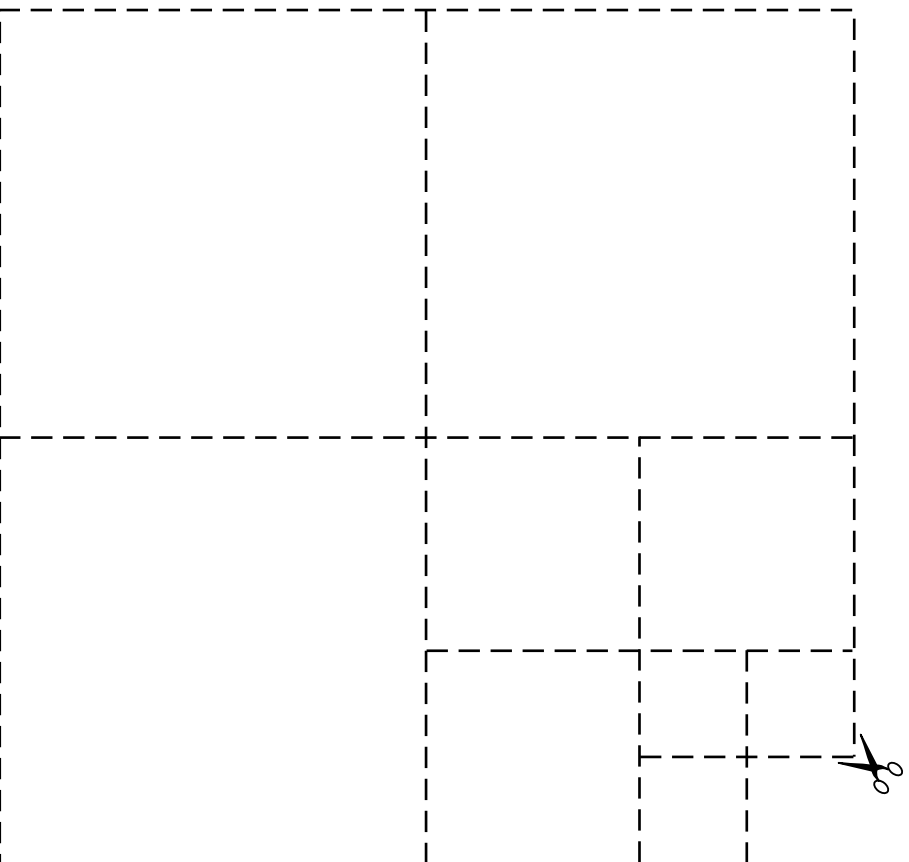


Spiralling Squares Patterns

You will need 4 copies of this worksheet.

Each copy should be on a different colour paper.

Cut out all the squares.



Likely or unlikely?

Cut out the following statements.



You will grow a banana on an apple tree.	You will travel home by airplane from school.
You will see rain today.	You will eat chips today.
It will rain somewhere in Britain today.	You will eat fish and chips today.
You will look out of the window today.	It will rain in the Sahara desert tomorrow.
Everyone in the class will do their homework this week.	You will be older tomorrow than you are today.
You will look at a clock today.	You will wake up before 8.00 a.m. tomorrow.
You will drink a can of coke or lemonade this week.	You will watch TV at the weekend.
A spaceship will land in the playground tomorrow.	The headteacher will come into your classroom today.
You will enjoy school today.	You will get "heads" when you toss a coin.

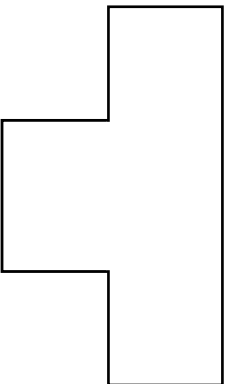
Likely or unlikely?

Cut out the following statements.



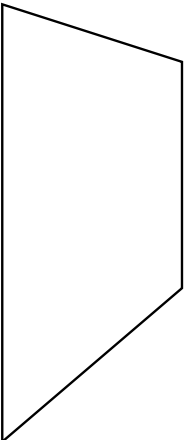
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You will enjoy school today.	You will get "heads" when you toss a coin.

4)



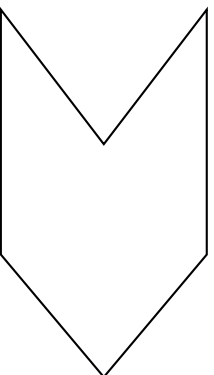
Code:

5)



Code:

6)



Code:

7) Draw and code some more shapes of your own.

Symmetry Codes

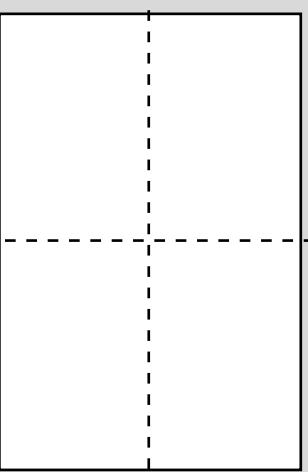
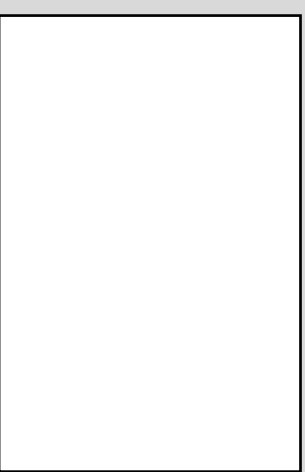
You will need a mirror.

This shape has

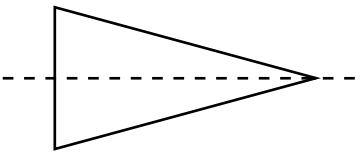
sides,

and

lines of symmetry.



This shape has code



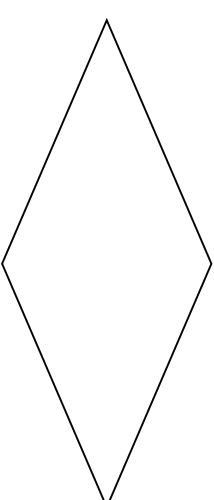
This shape has sides
and lines of symmetry.

This shape has code

3 1

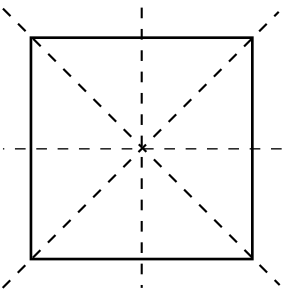
Draw the lines of symmetry on these shapes and work out their codes.

2)



Code:

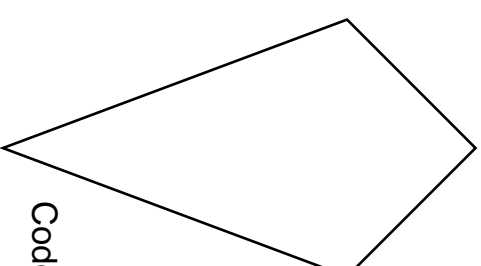
1)



This shape has sides
and lines of symmetry.

This shape has code

3)



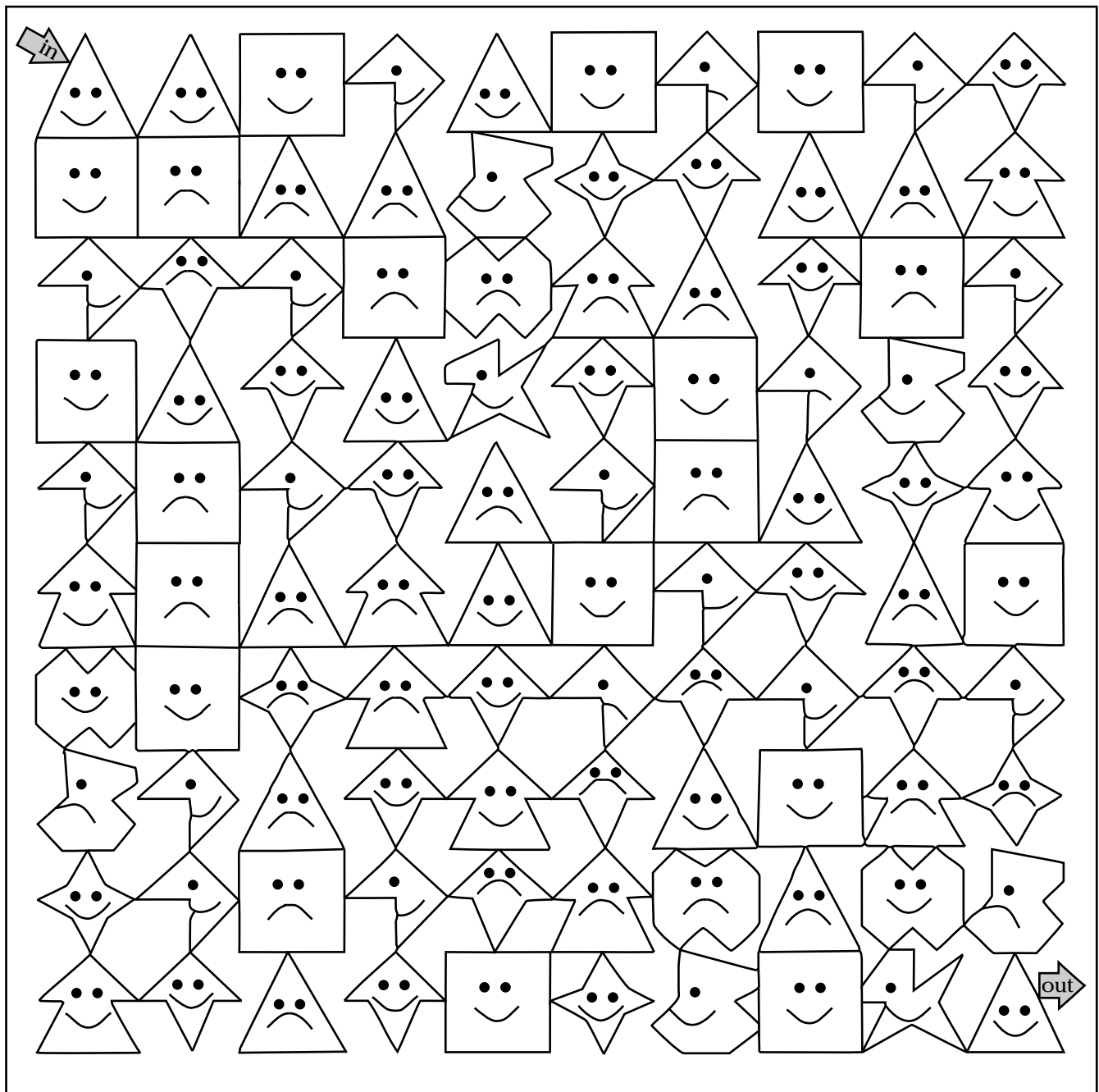
Code:

3 in 1 Maze

You can only travel horizontally or vertically.

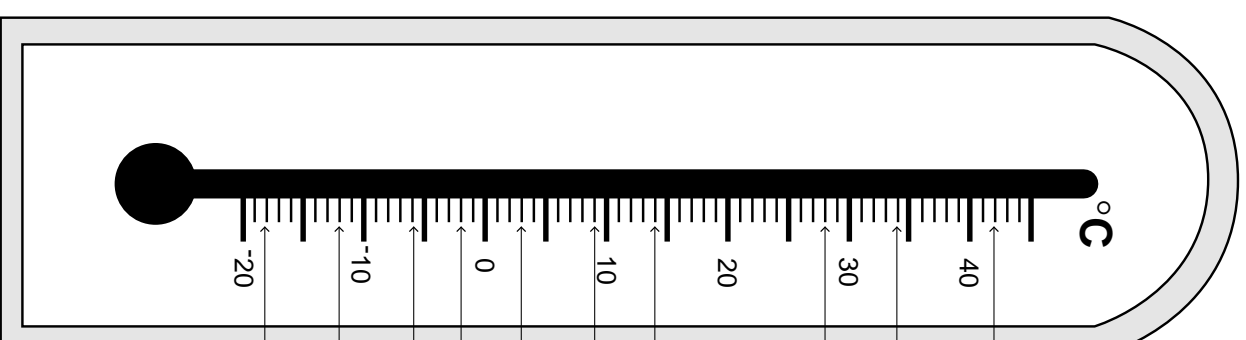
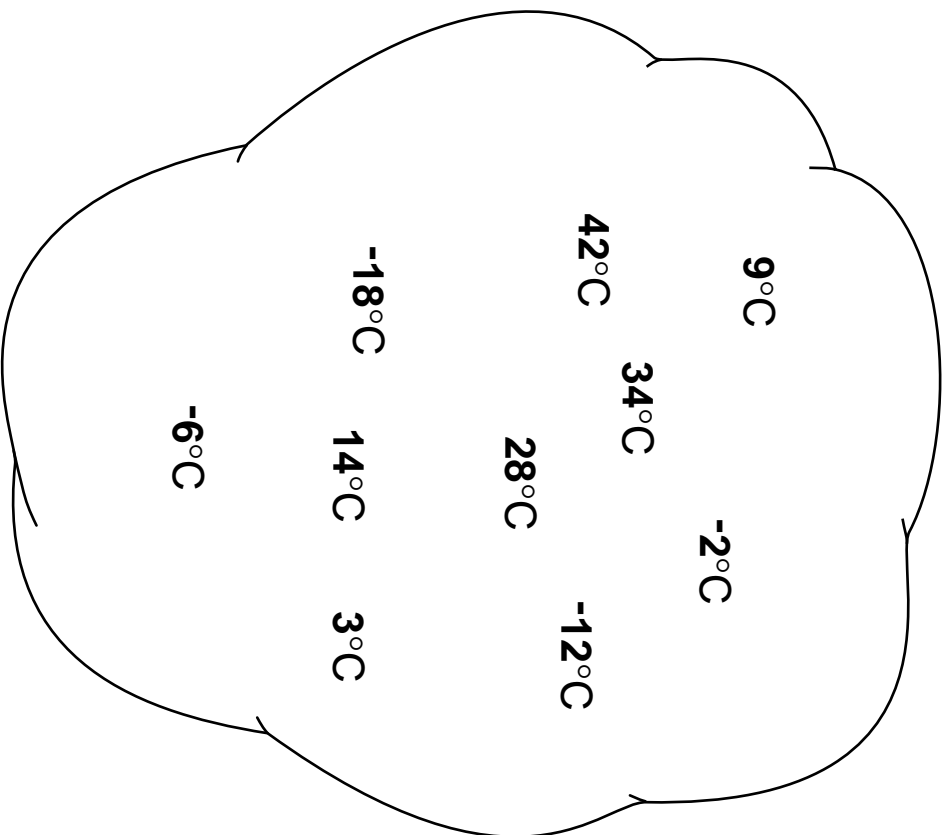
Each route runs from the triangle on the top left to the triangle on the bottom right.

1. Can you find a happy route?
2. Can you find a route
3, 3, 4, 3, 4, 5, 3, 4, 5, 6, ...3?
3. Can you find a route that makes green?
(You will need to look at the poster before you can answer this.)



Hot and Cold

Match the temperatures below with the letters on the scale.



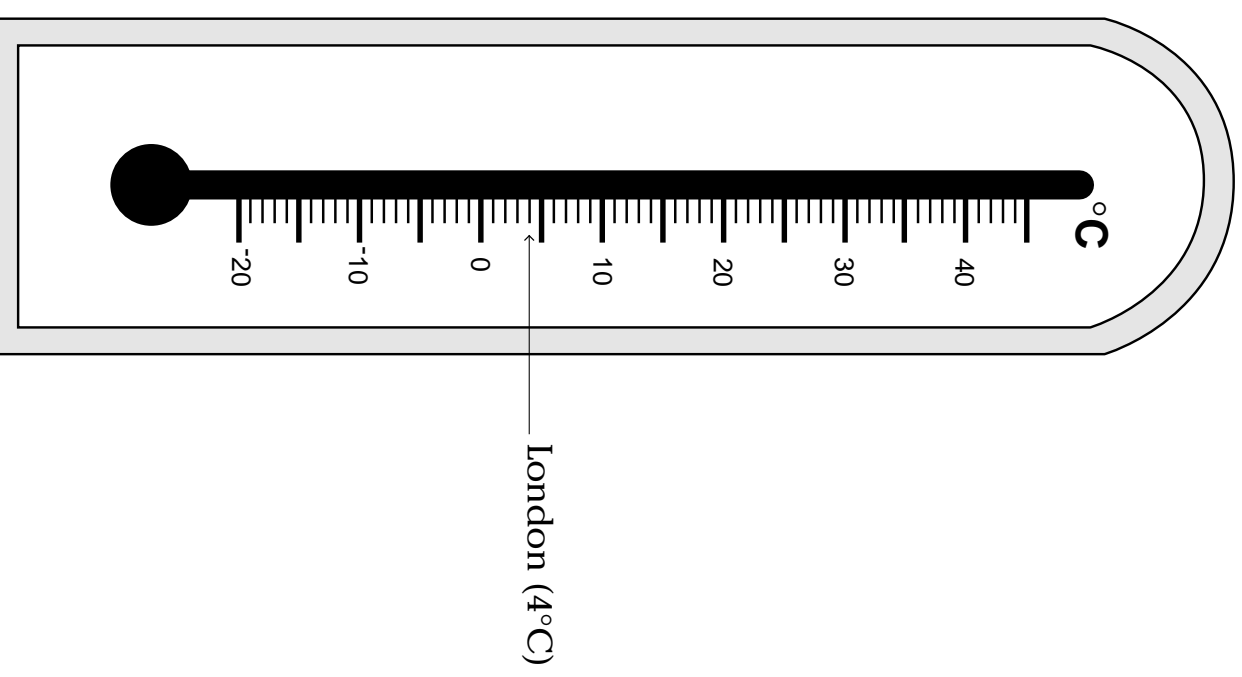
This thermometer has a Celsius scale ($^{\circ}\text{C}$).

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J

Here are some temperatures from around the world, taken on the same day.

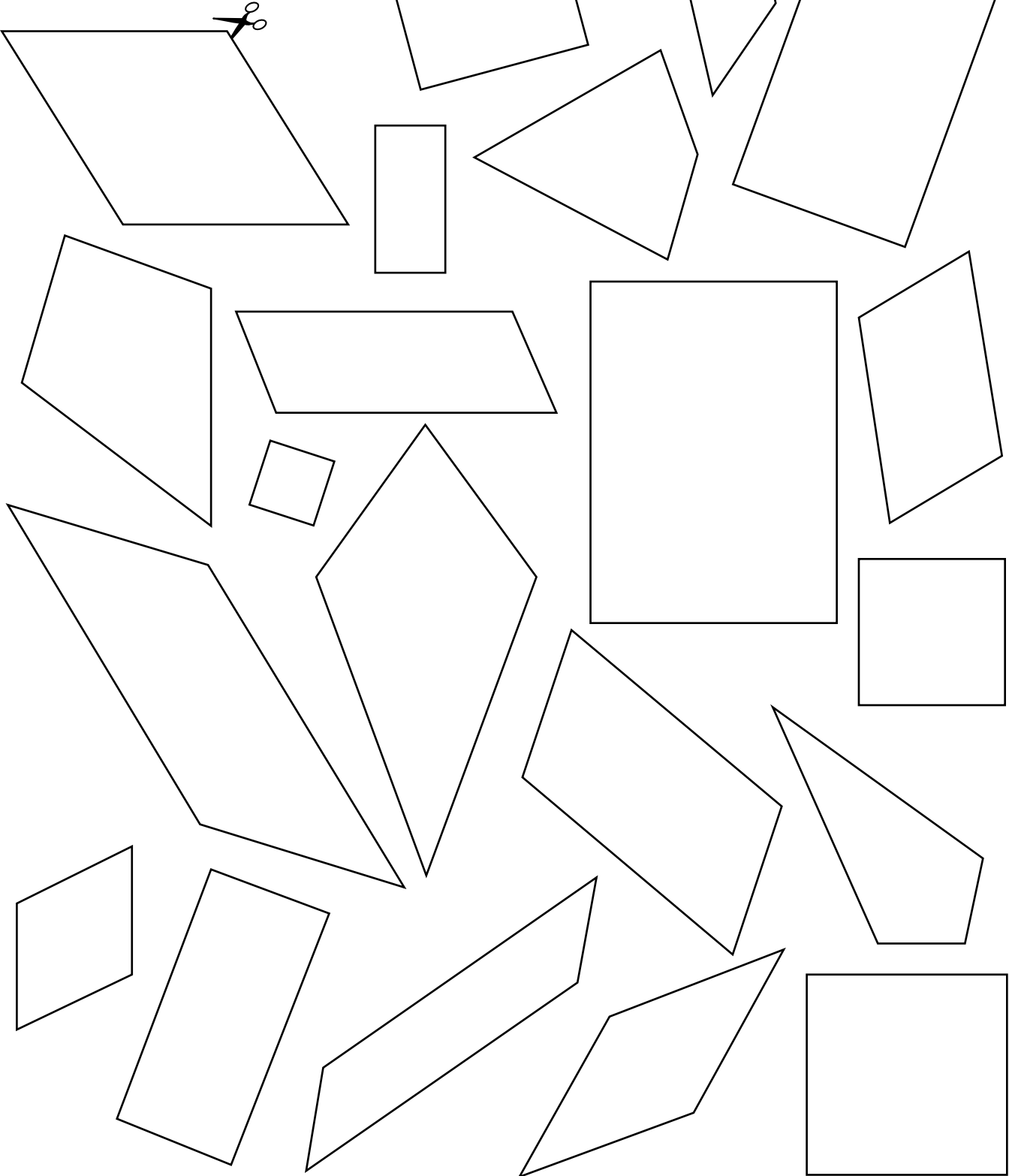
Place	Temperature
Alice Springs	38°C
Delhi	14°C
Kingston	26°C
London	4°C
Moscow	-12°C
New York	-1°C
Beijing	-6°C
Rome	8°C
Winnipeg	-19°C

1. Label the temperatures on this thermometer:
(London has been done for you.)
2. In which month of the year do you think these temperatures were taken?
3. Which city is colder, Moscow or Beijing?
4. How much colder is New York than London?
5. Which is colder, -6°C or -10°C?



4 Sides

• Cut out these shapes.



Surrounding right-angled triangles

Find the area for each square and fill in the table below.

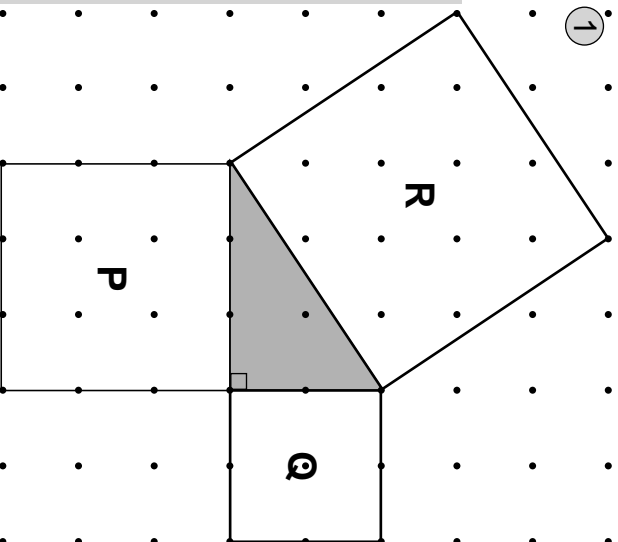
	Area of P	Area of Q	Area of R
1			13cm ²
2			
3			
4			
5			

What do you notice about the areas of squares P, Q and R?

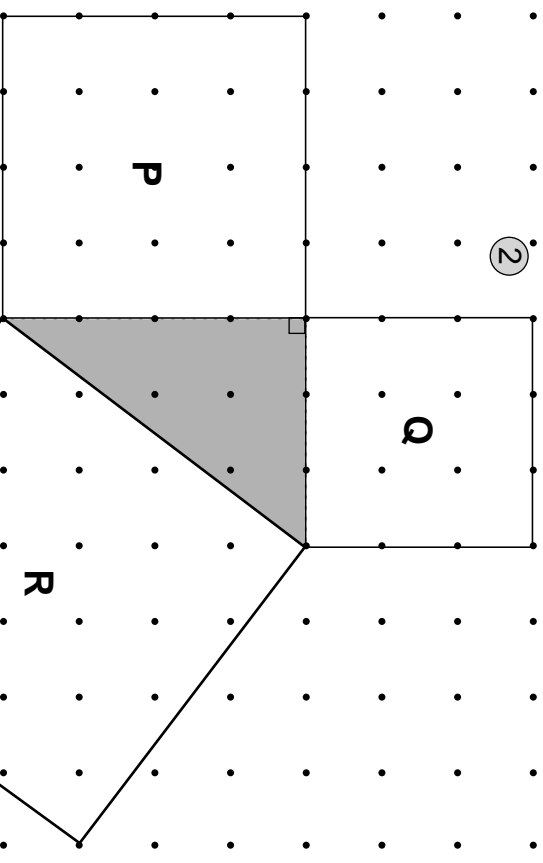
Without drawing complete the following:

	Area of P	Area of Q	Area of R
6	4cm ²	16cm ²	
7	17cm ²		26cm ²

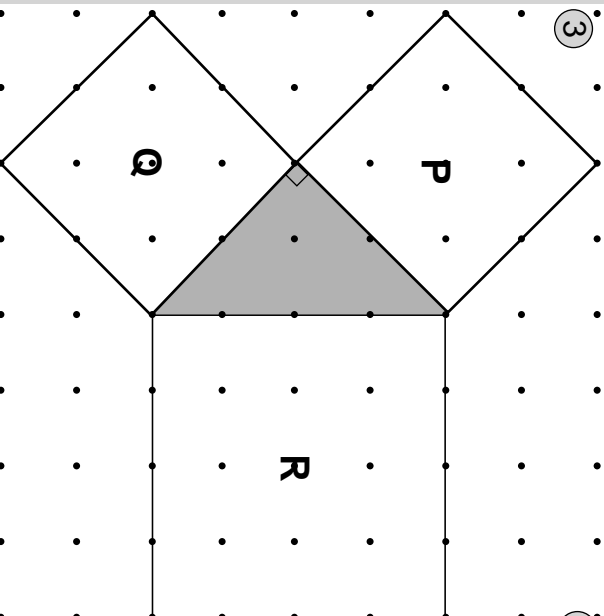
1



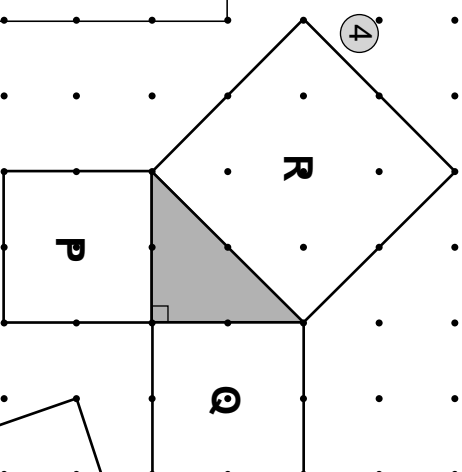
2



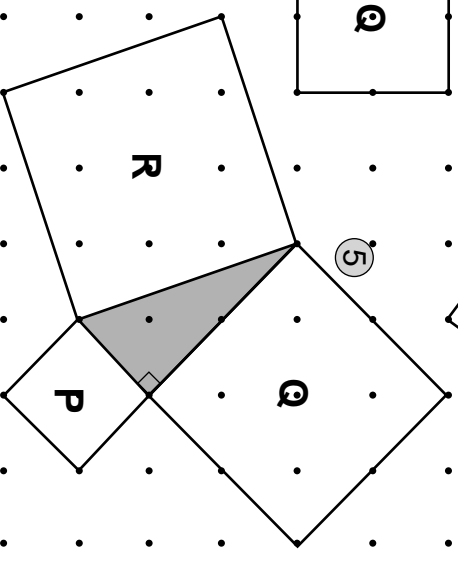
3



4



5

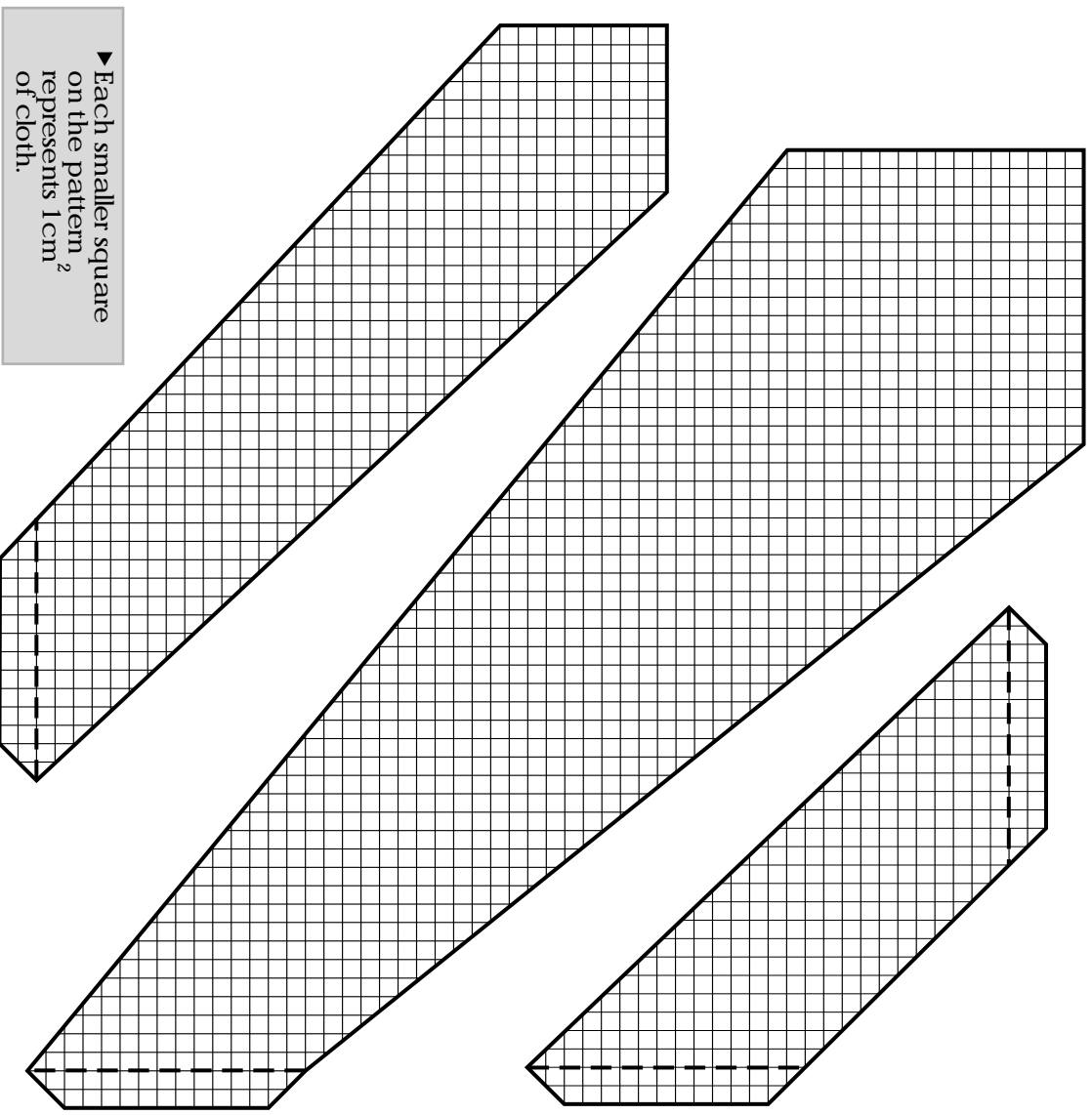


Ties

An activity for a small group.
You will need large sheets of cm^2 paper.

Ties are made from 3 pieces of cloth cut accurately on the true cross.

- Make a full size pattern for a tie using cm^2 paper.
- Silk hand-made ties are often made from cloth 1m wide.
- Explore different layouts of the pieces so that the minimum amount of material is wasted.
- What is the shortest length of plain silk you would need to cut out 4 ties?
- Using patterned material or paper, can you lay out the pieces so that when you cut them out and sew them together, there will be no break in the design?



A Sketchy Activity

