



Amazing Maze Craze



Farmer Doug has asked your school to think of ways to use his spare field. He will share any money he makes with the school. Your class has suggested planting a maze. You are helping to make sure the idea becomes reality!

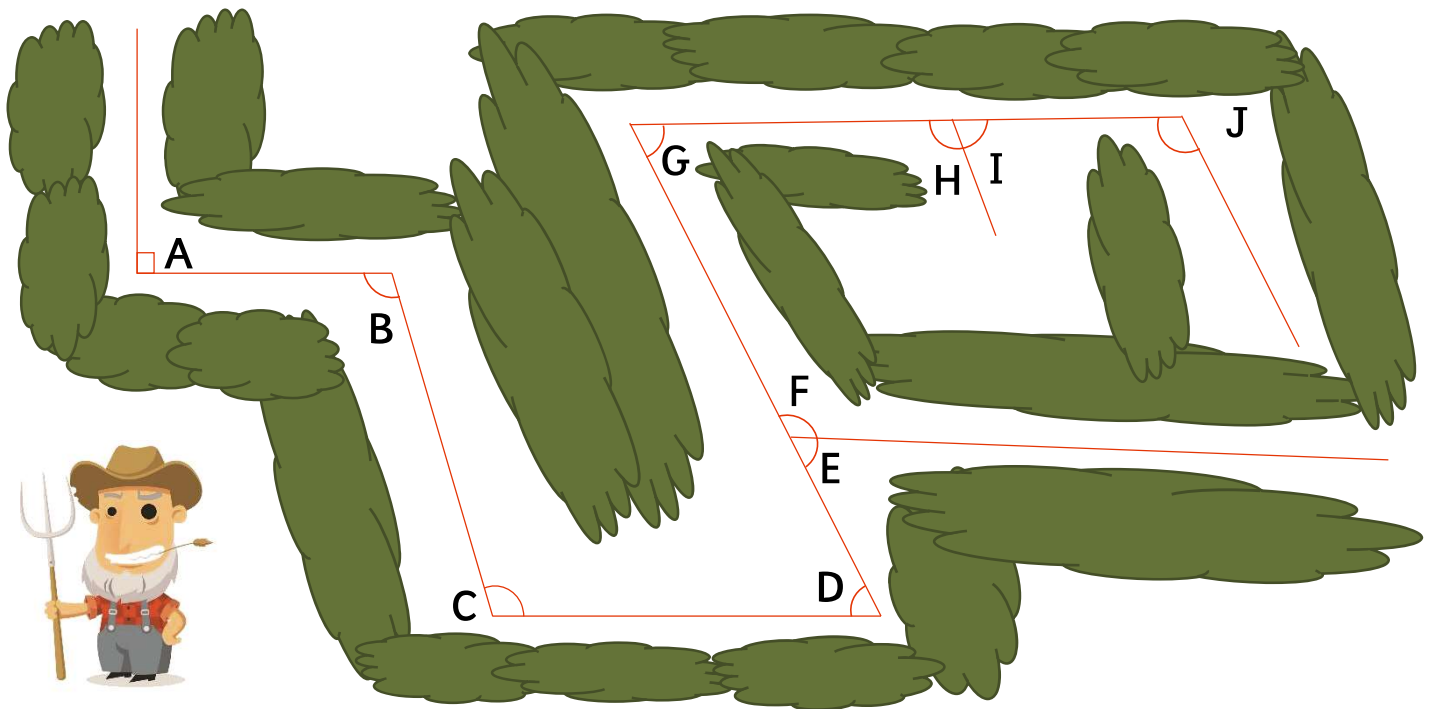
The maize needs to be fully accessible for people with all sorts of mobility needs.

The corners must all be planted at obtuse angles to ensure crutch and wheelchair users can move freely.

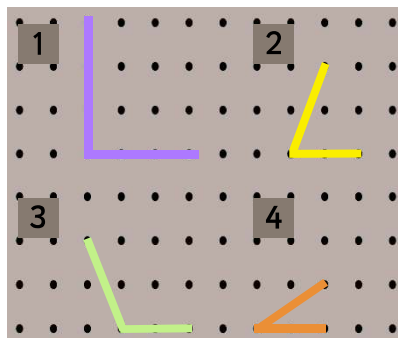
1. Tick any corners which will need to be widened.



A	B	C	D	E	F	G	H	I	J
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Inside the maze there are challenge tasks for the families to work on together. There is a giant rubber band peg board with the challenge to create 4 angles in order from smallest to largest.

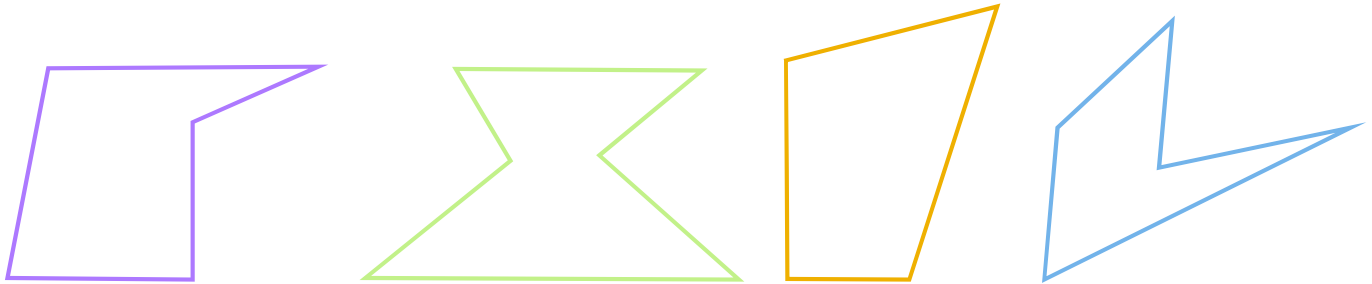


2. Did they get it right? Explain your answer.

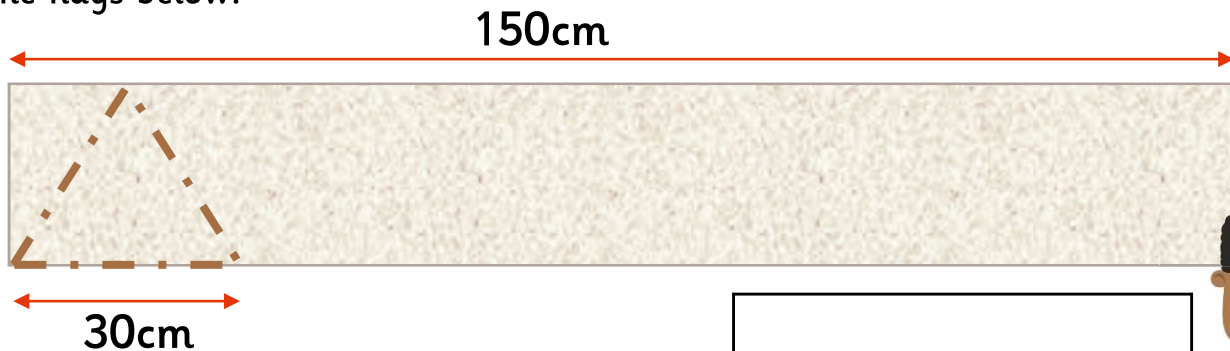
Reasoning and Problem Solving – Properties of Shape – Year 4

The second challenge in the maze is a shape board, families have to compare the size of the angles.

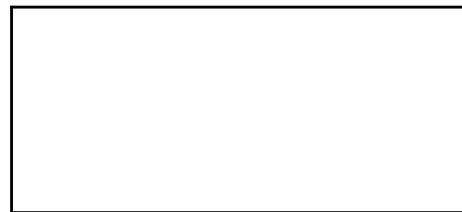
3. Tick the smallest angle and circle the largest in each irregular shape.



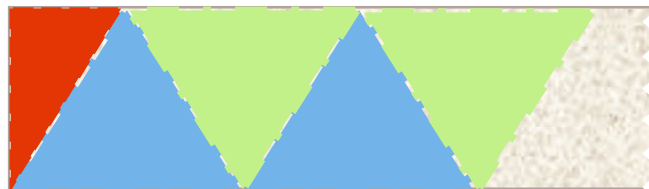
The families will have a long flag to wave overhead if they get lost (or give up!) and need to be rescued. Farmer Doug only has limited fabric and he has drawn his plan for the flags below.



4. How many more equilateral triangles can he fit on the fabric? Explain your answer.



One of your class mates has spotted there are different types of triangles which could be used for the flags. Farmer Doug decides he will have blue equilateral triangles flags, red right angled triangle flags and green isosceles triangle flags.



5. Has he coloured coded the first few flags correctly? Explain your answer.

