
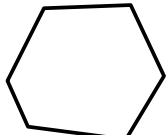
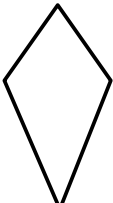
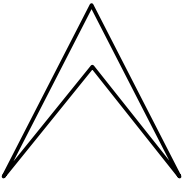

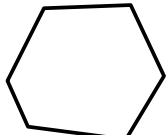
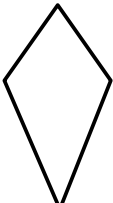
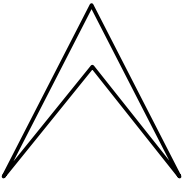

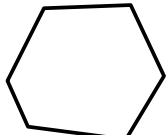
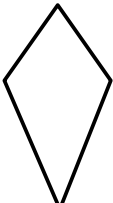
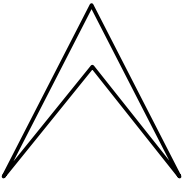
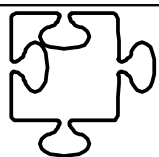
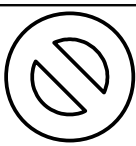
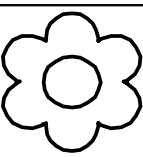
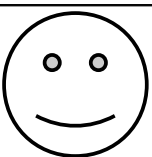
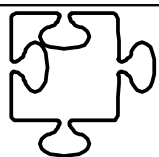
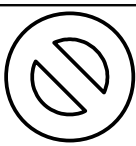
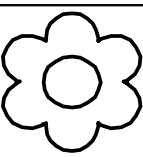
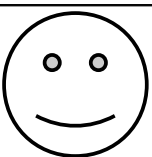
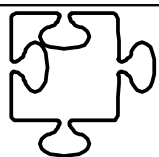
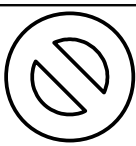
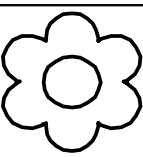
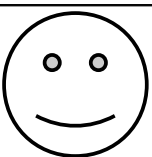


GCSE Maths worksheet 22

Name _____

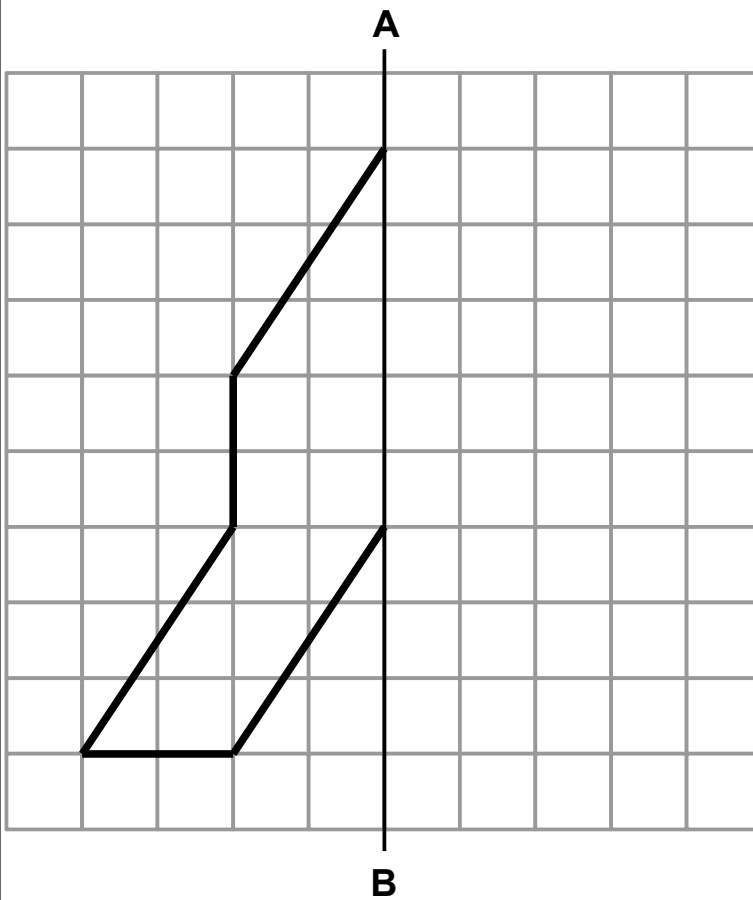
Group _____

Don't use a calculator. Do all your working on this sheet. Answer all the questions.

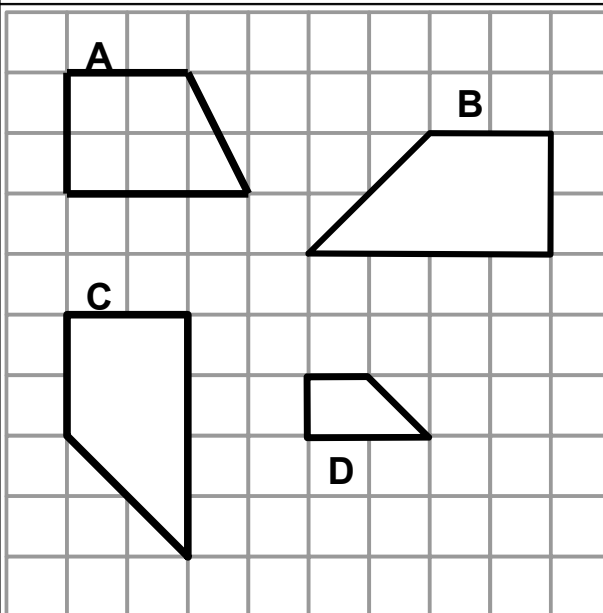
1	<p>Write the name below each shape in the table...</p> <table border="1" style="width: 100%; height: 150px; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center; vertical-align: middle;"></td> <td style="width: 25%; text-align: center; vertical-align: middle;"></td> <td style="width: 25%; text-align: center; vertical-align: middle;"></td> <td style="width: 25%; text-align: center; vertical-align: middle;"></td> </tr> <tr> <td style="height: 40px;"></td> <td></td> <td></td> <td></td> </tr> </table>								
									
2	<p>The symbols A, B, C, D all have some symmetry properties.</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width: 25%;">A</td> <td style="width: 25%;">B</td> <td style="width: 25%;">C</td> <td style="width: 25%;">D</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>Write down the letters of two symbols that have exactly one line of symmetry _____ and _____</p> <p>Which shape has exactly two lines of symmetry? _____</p> <p>What is the order of rotational symmetry of shape C? _____</p> <p>Which shape has an order of rotational symmetry of 2? _____</p>	A	B	C	D				
A	B	C	D						
									

3

Draw the mirror image of the shape using the line AB as the mirror line.



4



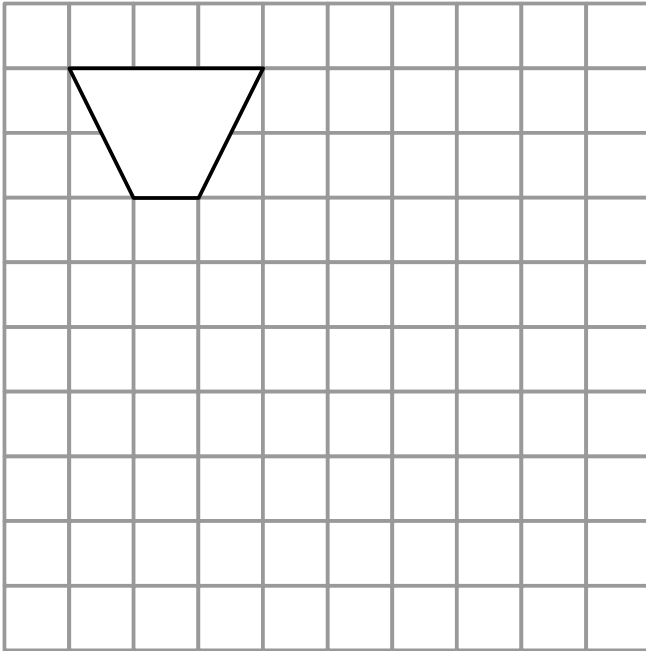
Which two shapes are congruent?

Which shape is similar to shape B?

Which shape isn't congruent or similar to any of the others?

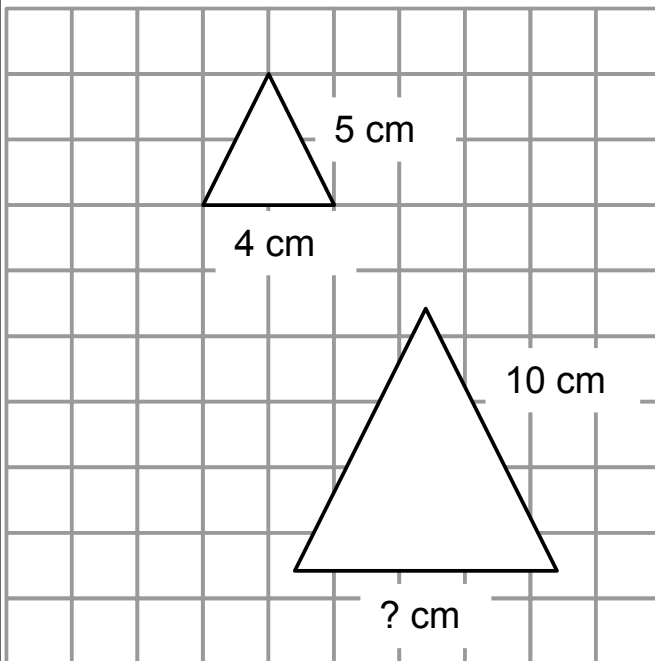
5

Algernon says that the shape below can tessellate.
Evadne insists that it can't.
Try to draw at least 6 shapes that tessellate to see who is right.



6

The two isosceles triangles below are similar.



How long is the bottom side of the larger triangle?