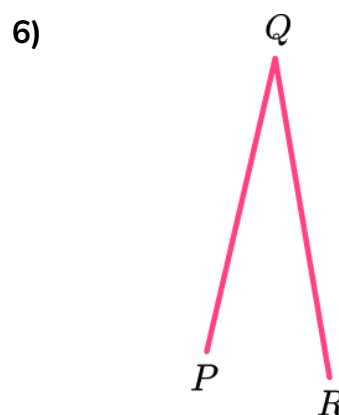
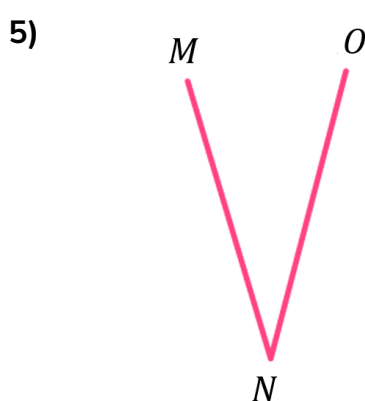
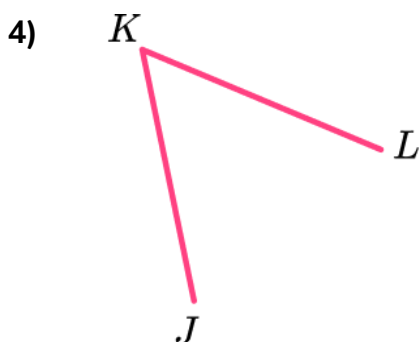
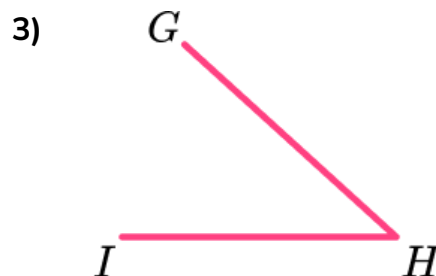
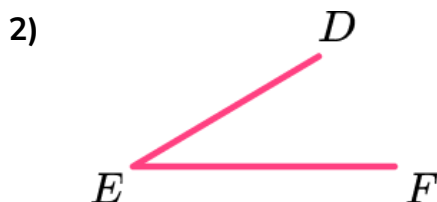
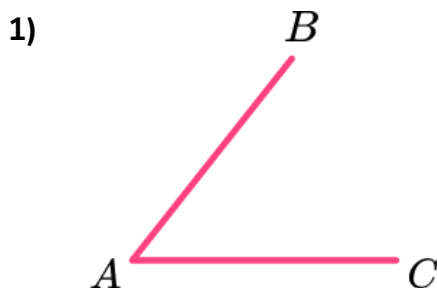


Angle Bisectors - Worksheet

Skill

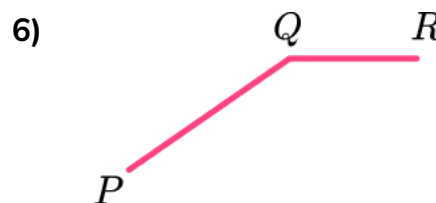
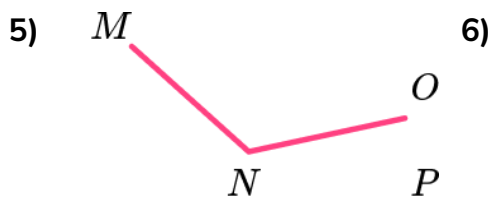
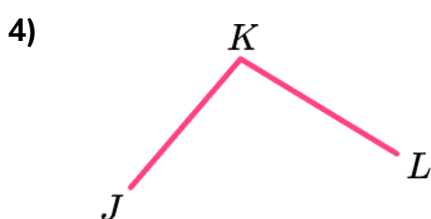
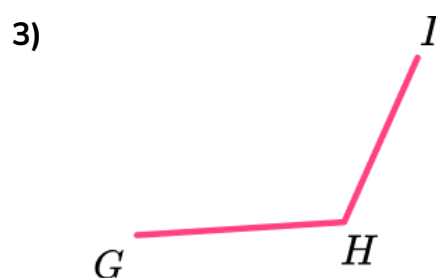
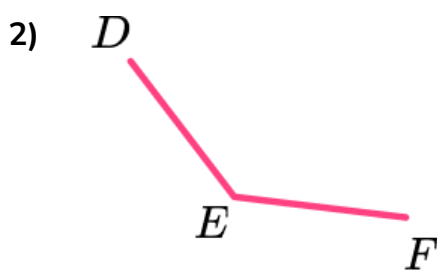
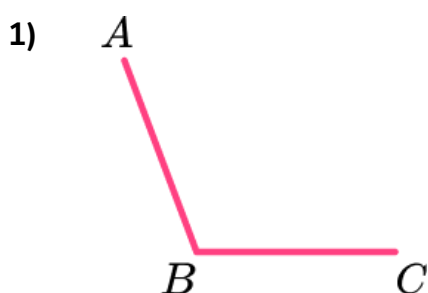
Group A - Construct acute angle bisectors

Construct an angle bisector for each of the angles below:



Group B - Construct obtuse angle bisectors

Construct an angle bisector for each of the angles below:



Angle Bisectors - Worksheet

Group C - Construct and bisect

Construct the following size angles and construct a perpendicular bisector for each of the angles.

1) 60°

2) 80°

3) 40°

4) 90°

5) 120°

6) 130°

7) 160°

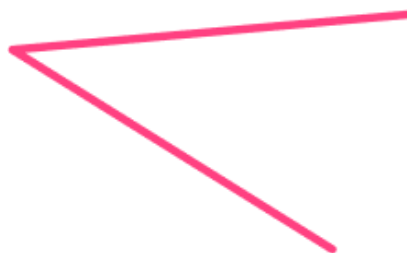
8) 170°

9) 210°

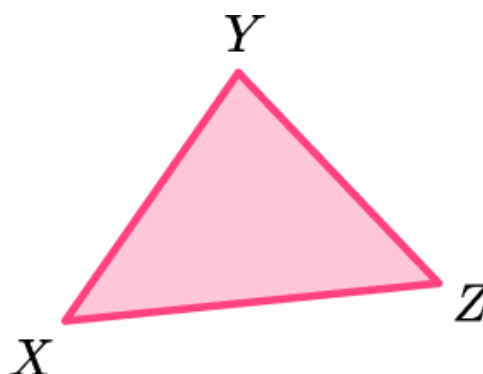
Angle Bisectors - Worksheet

Applied

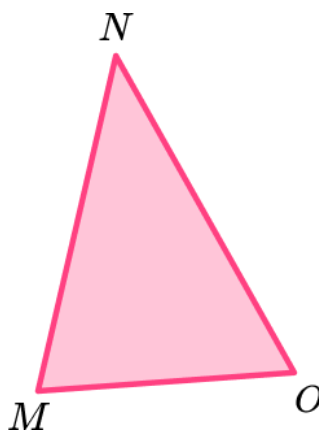
- 1) Construct an angle bisector for the angle below. Make sure to show all your construction lines.



- 2) Construct an angle bisector for each of the angles in the triangles below. Clearly label where the bisectors intersect.

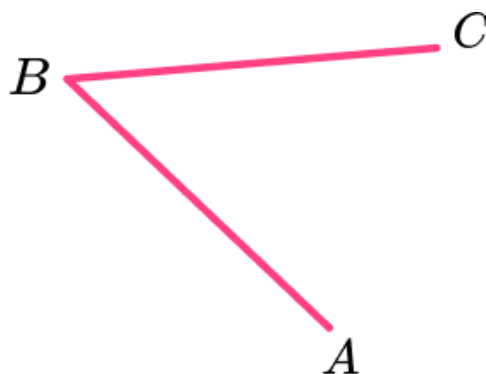


- 3) Construct an angle bisector for each of the angles in the triangle below. Clearly show where the bisectors intersect.



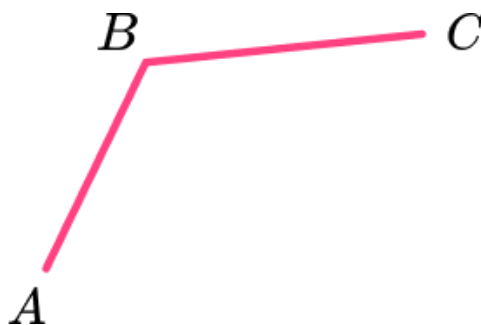
Angle Bisectors - Exam Questions

- 1) Using a ruler and compass construct an angle bisector for the angle below:



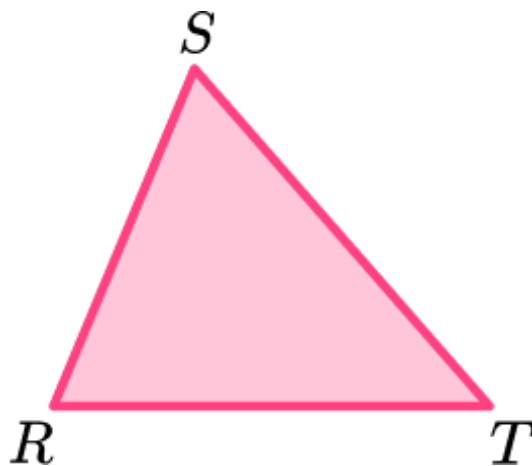
(2 marks)

- 2) Using a ruler and compass construct an angle bisector for the angle:



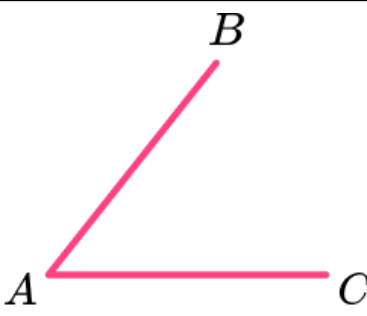
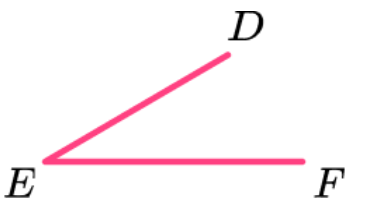
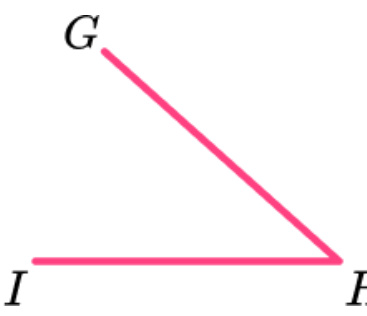
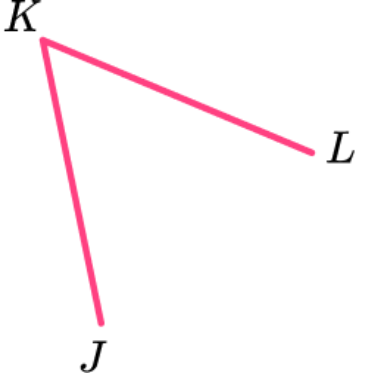
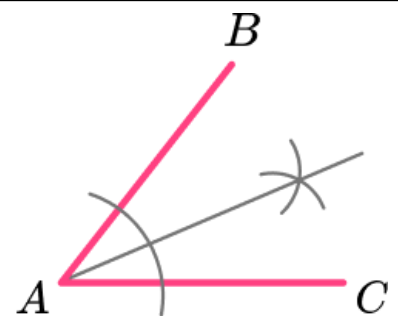
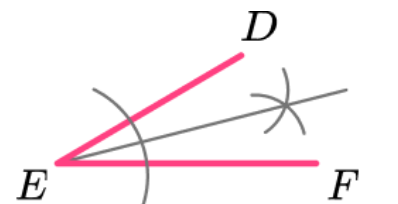
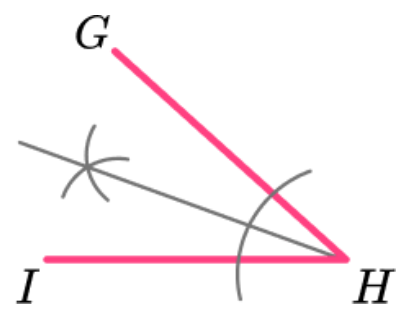
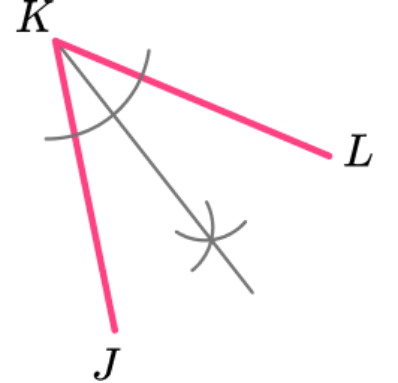
(2 marks)

- 3) Using a ruler and compass construct an angle bisector for each of the angles in the triangle below. Clearly show where the bisectors intersect.



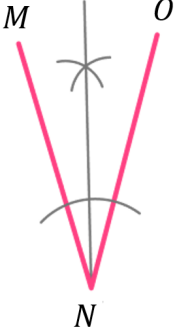
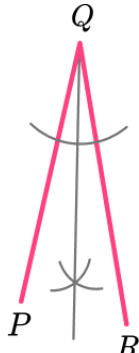
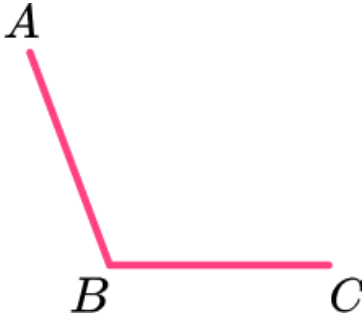
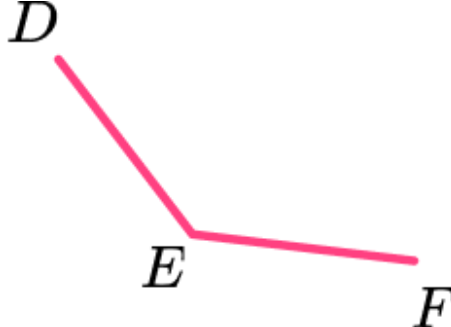
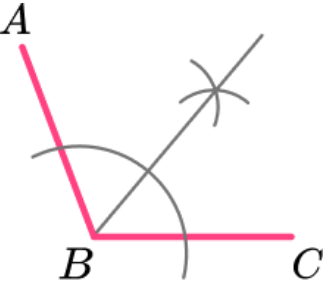
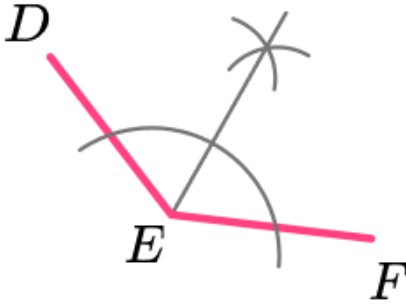


(4 marks)

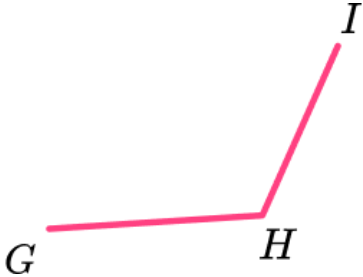
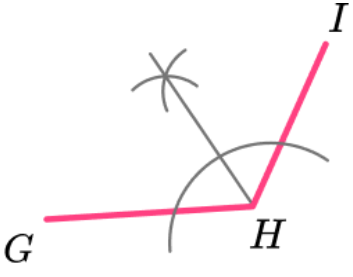
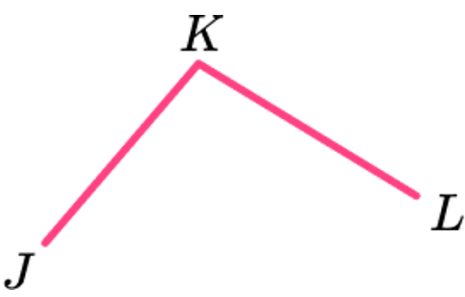
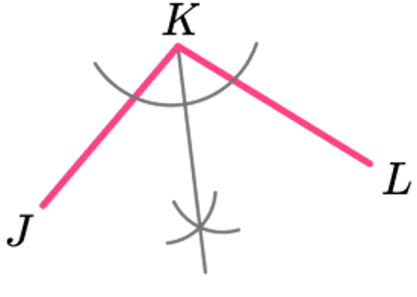
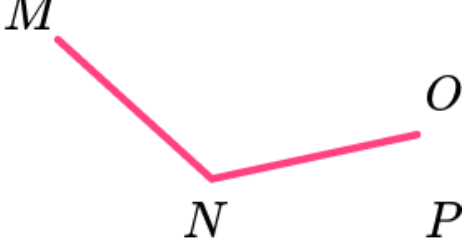
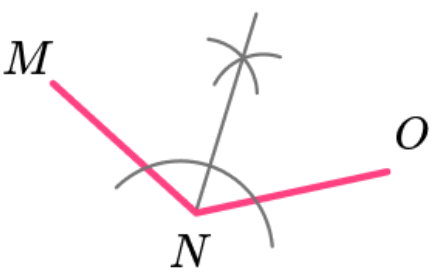
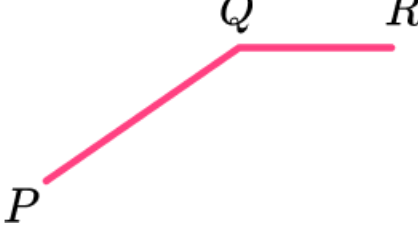
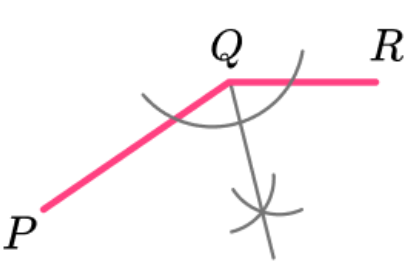
Angle Bisectors - Answers

	Question	Answer
	Skill Questions	
	Construct an angle bisector for each of the angles below:	
Group A	<p>1) </p> <p>2) </p> <p>3) </p> <p>4) </p>	<p>1) </p> <p>2) </p> <p>3) </p> <p>4) </p>

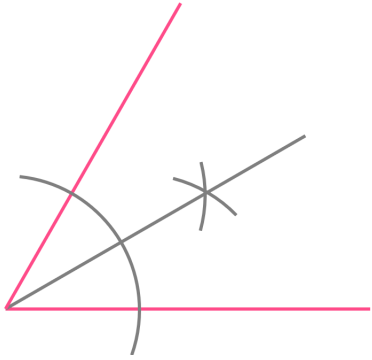
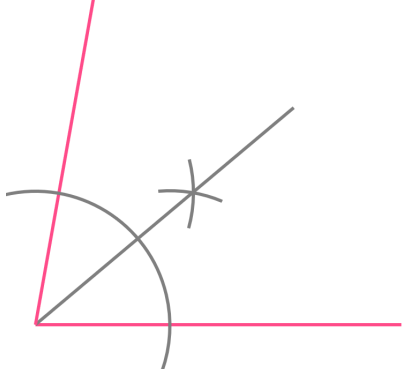
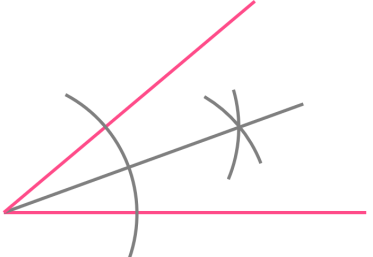
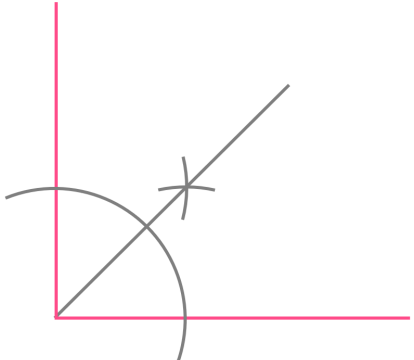
Angle Bisectors - Answers

Group A	<p>5) </p> <p>6) </p>	<p>5) </p> <p>6) </p>
Group B	<p>Construct an angle bisector for each of the angles below:</p> <p>1) </p> <p>2) </p>	<p>1) </p> <p>2) </p>

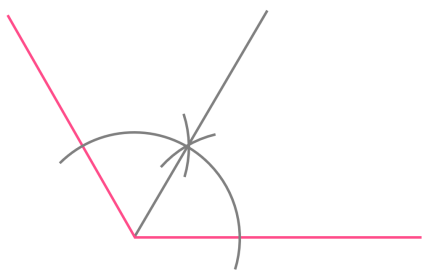
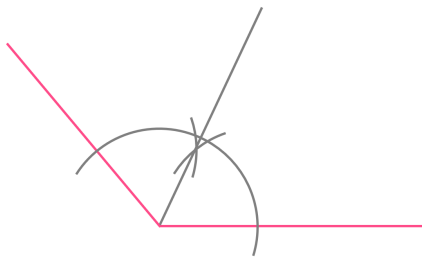
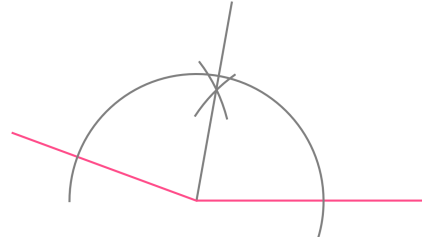
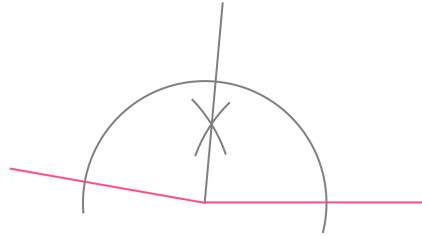
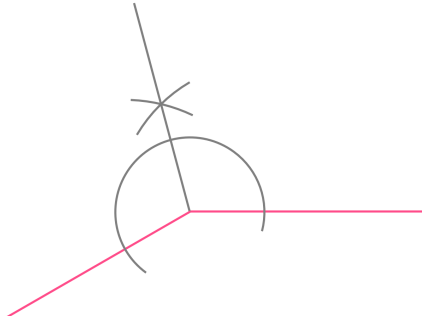
Angle Bisectors - Answers

Group B	<p>3)</p> 	<p>3)</p> 
	<p>4)</p> 	<p>4)</p> 
	<p>5)</p> 	<p>5)</p> 
	<p>6)</p> 	<p>6)</p> 


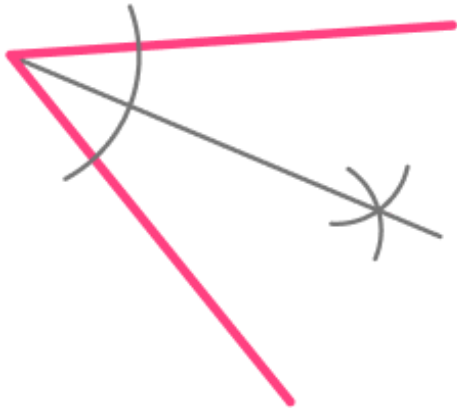
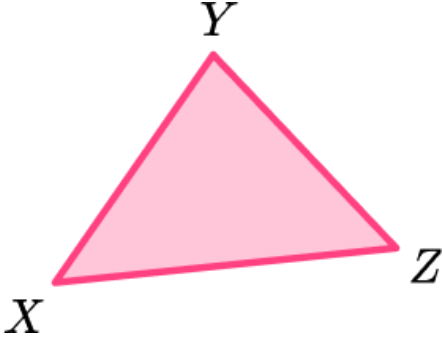
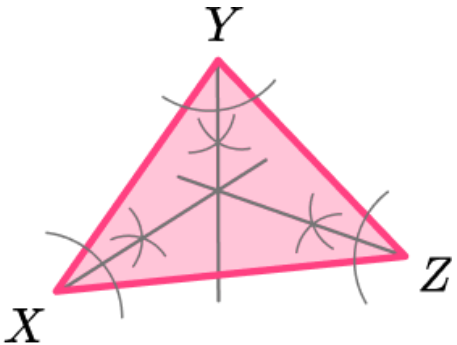
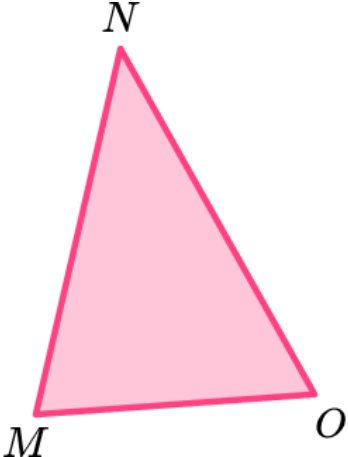
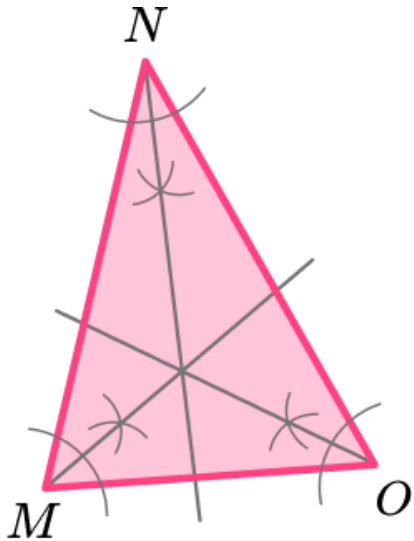
Angle Bisectors - Answers

Group C	<p>Construct the following size angles and construct a perpendicular bisector for each of the angles.</p> <p>1) 60°</p> <p>2) 80°</p> <p>3) 40°</p> <p>4) 90°</p>	<p>1)</p>  <p>2)</p>  <p>3)</p>  <p>4)</p> 
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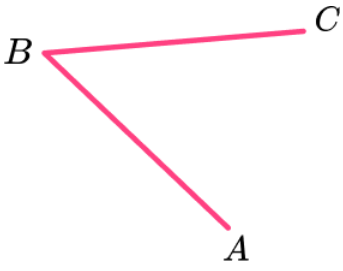
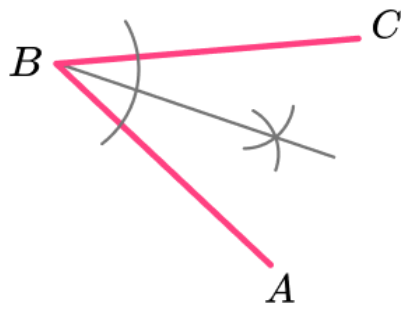
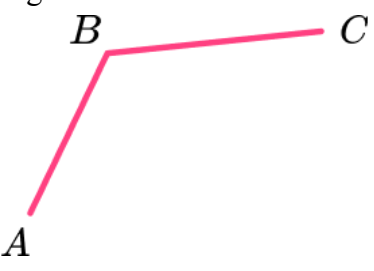
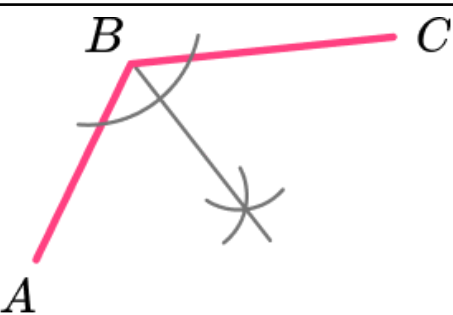
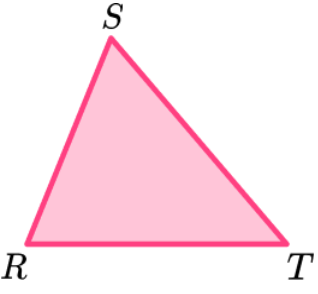
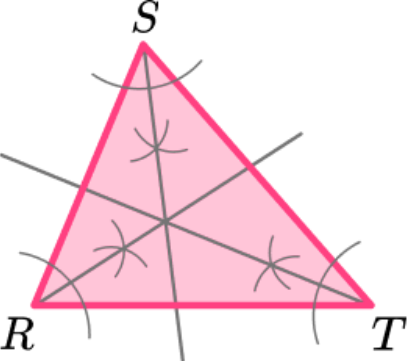
Angle Bisectors - Answers

Group C contd	5) 120°	5) 
	6) 130°	6) 
	7) 160°	7) 
	8) 170°	8) 
	9) 210°	9) 

Angle Bisectors - Answers

	Question	Answer
	Applied Questions	
1)	<p>Construct an angle bisector for the angle below. Make sure to show all your construction lines.</p> 	
2)	<p>Construct an angle bisector for each of the angles in the triangles below. Clearly label where the bisectors intersect.</p> 	
3)	<p>Construct an angle bisector for each of the angles in the triangle below. Clearly show where the bisectors intersect.</p> 	

Angle Bisectors - Mark Scheme

	Question	Answer	
	Exam Questions		
1)	Using a ruler and compass construct an angle bisector for the angle below: 	 All construction arcs shown Correct angle bisector drawn	(1) (1)
2)	Using a ruler and compass construct an angle bisector for the angle: 	 All construction arcs shown Correct angle bisector drawn	(1) (1)
3)	Using a ruler and compass construct an angle bisector for each of the angles in the triangle below. Clearly show where the bisectors intersect. 	 Correct angle bisector through one vertex Correct angle bisector through all three vertices Point of intersection of three angle bisectors seen All construction arcs shown	(1) (1) (1) (1)

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