

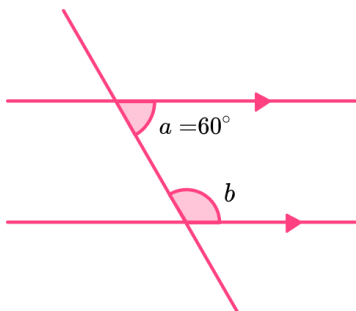
Co interior Angles - Worksheet

Skill

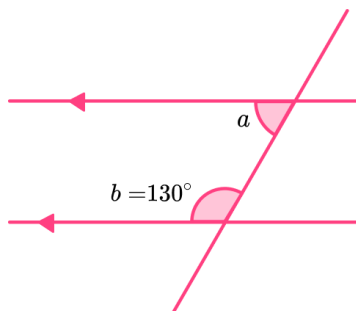
Group A - Two angles that are co interior

Find the missing angles:

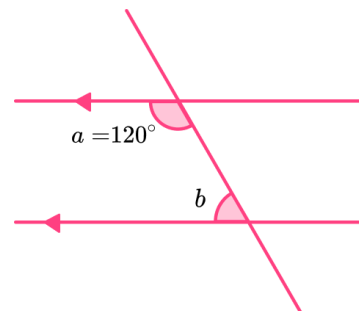
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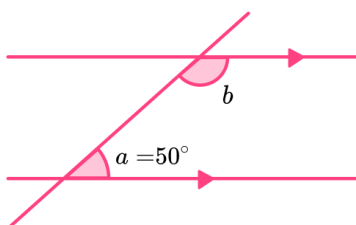
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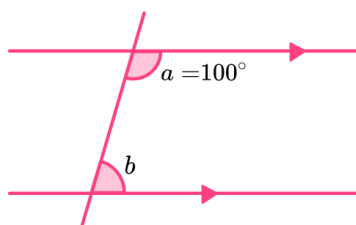
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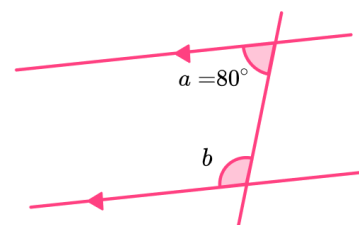
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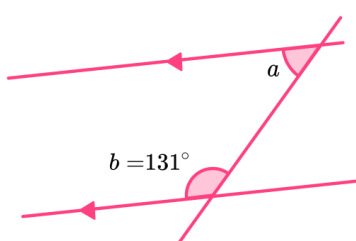
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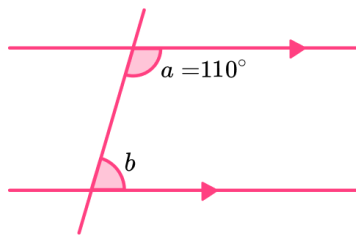
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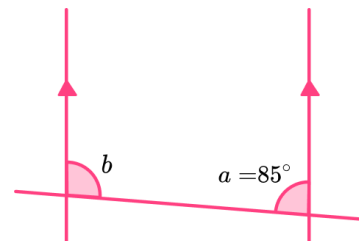
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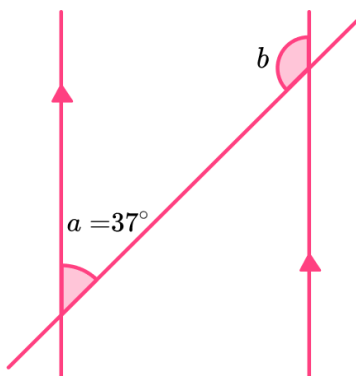
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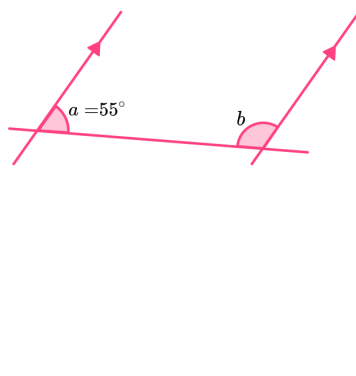
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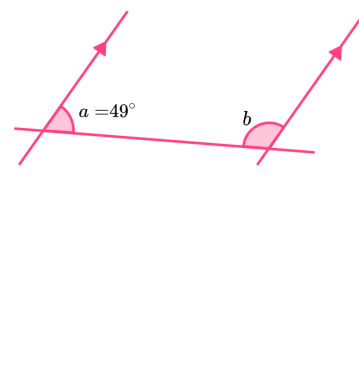
10)



11)



12)

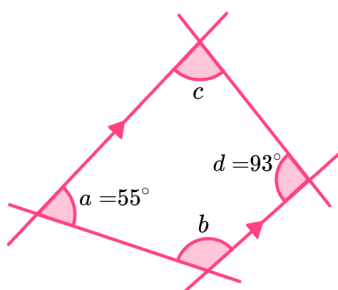


Co interior Angles - Worksheet

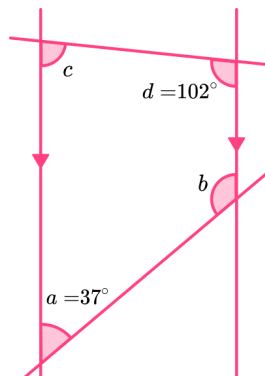
Group B - Co interior angles problems

Find the missing angles:

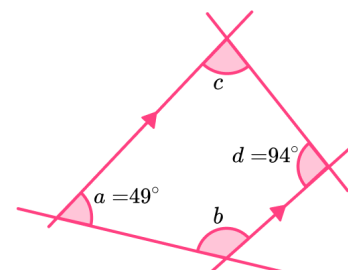
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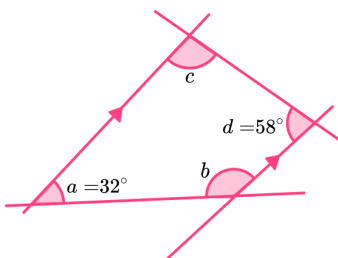
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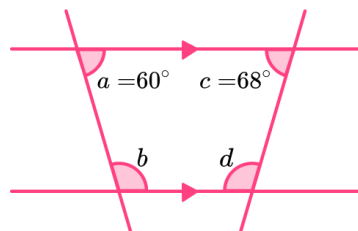
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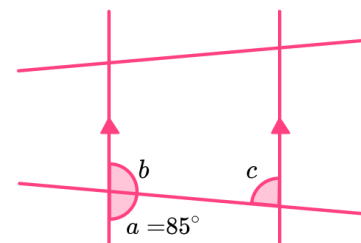
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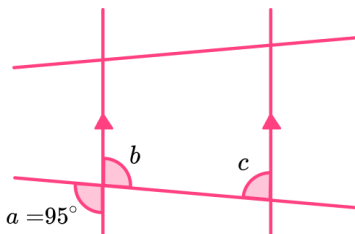
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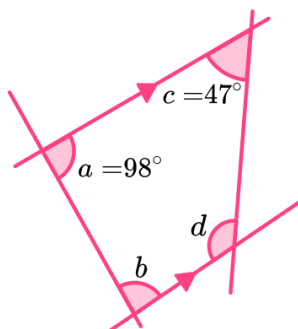
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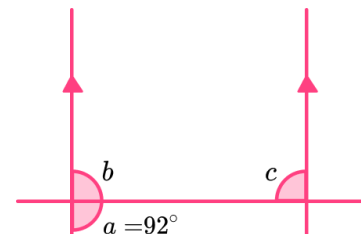
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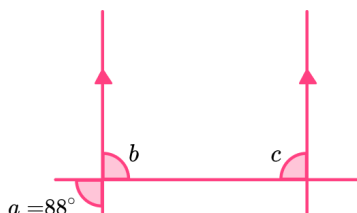
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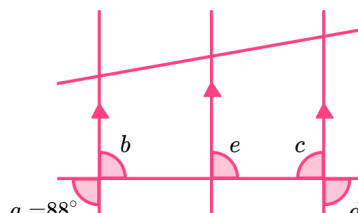
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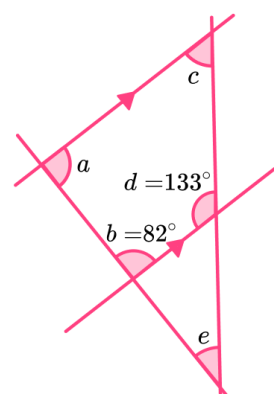
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11)



12)

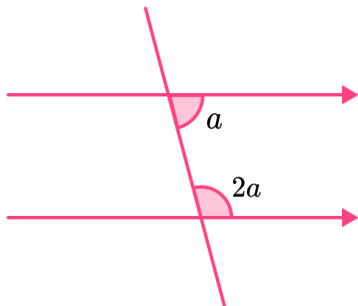


Co interior Angles - Worksheet

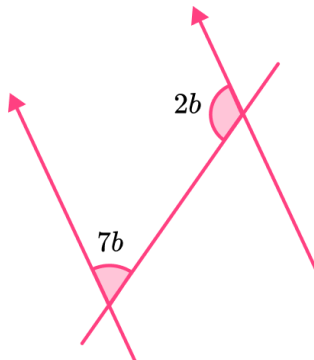
Group C - Algebraic co interior angles

Find the unknown variable in each question:

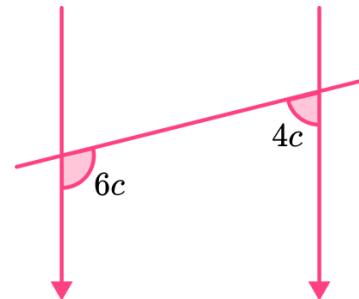
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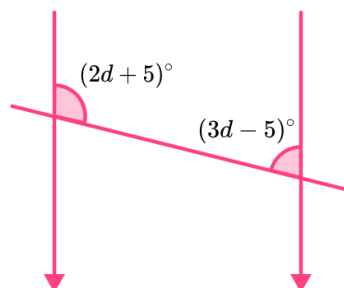
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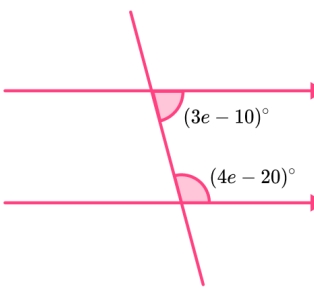
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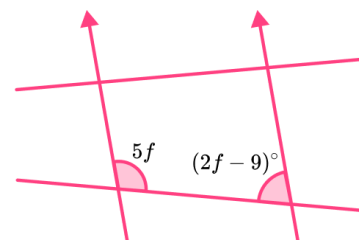
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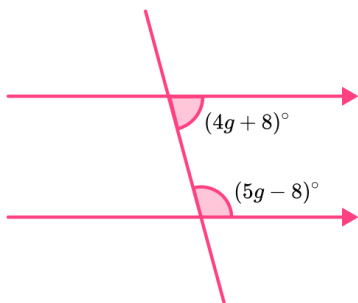
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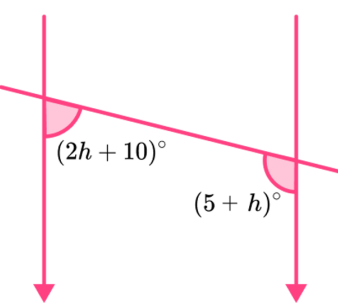
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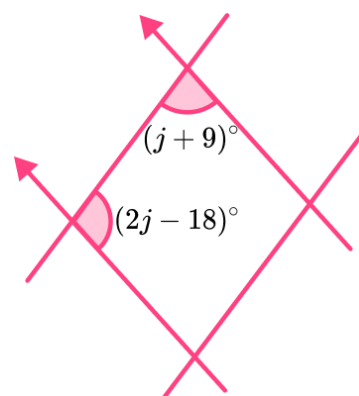
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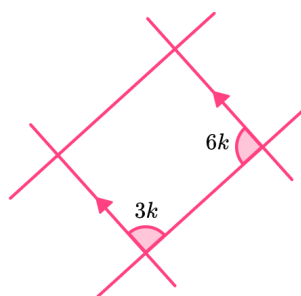
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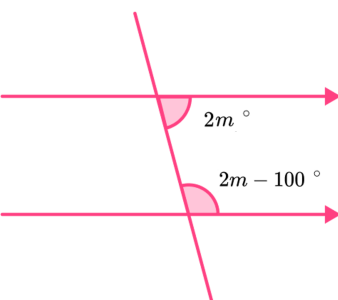
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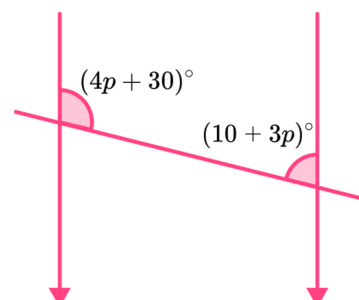
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11)



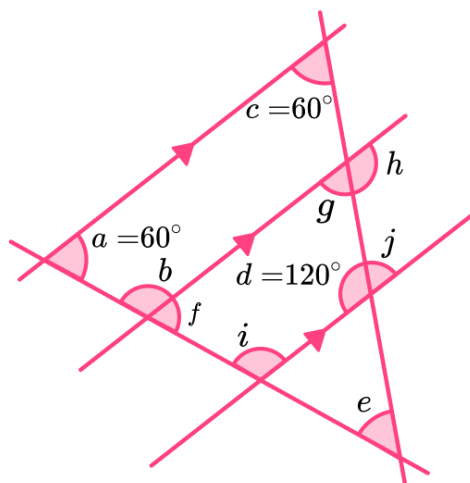
12)



Co interior Angles - Worksheet

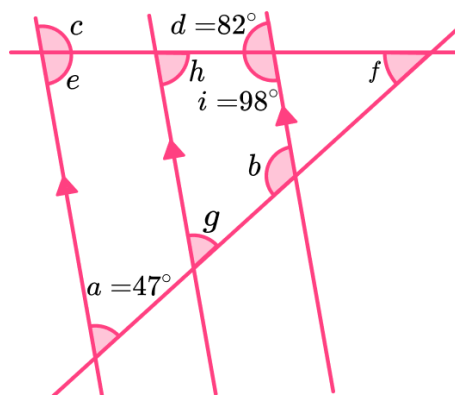
Applied

- 1) Find the missing angles.



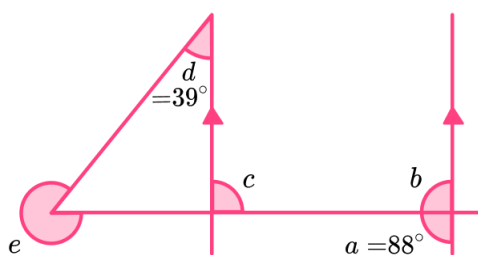
Give reasons for your answers.

- 2) Find the missing angles.



Give reasons for your answers.

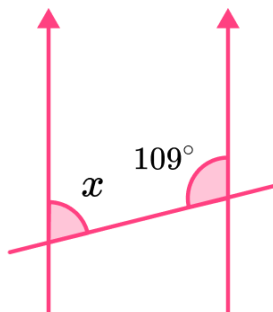
- 3) Find the missing angles.



Give reasons for your answers.

Co interior Angles - Exam Questions

- 1) (a) Work out the size of the angle marked x .

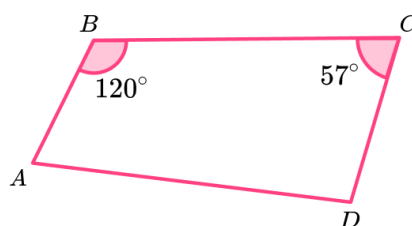


.....
(1)

- (b) Give a reason for your answer.

.....
(1)
(2 marks)

-
- 2) (a) Below is a quadrilateral.

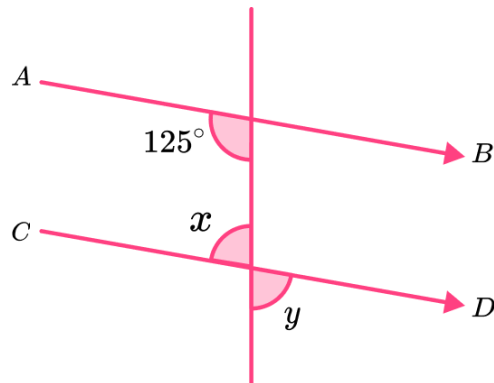


Is AB parallel to CD? Give a reason for your answer.

.....
(2 marks)

Co interior Angles - Exam Questions

- 3) (a) AB is parallel to CD.



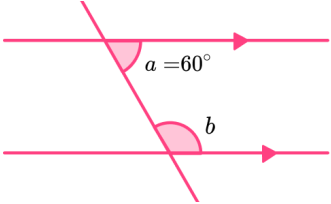
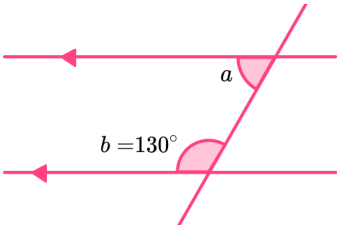
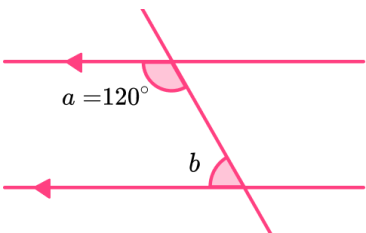
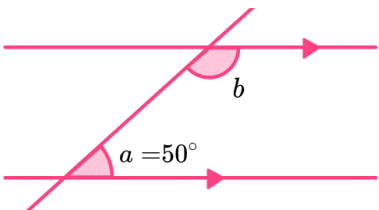
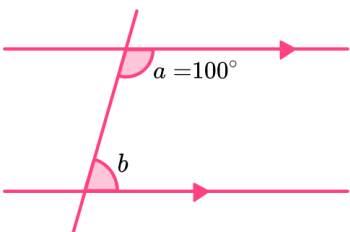
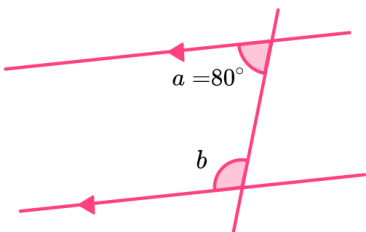
Work out the size of the angle marked x . Give a reason for your answer.

.....
(2)

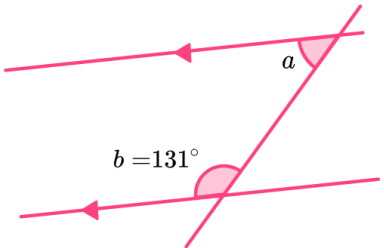
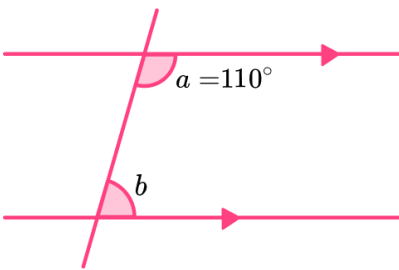
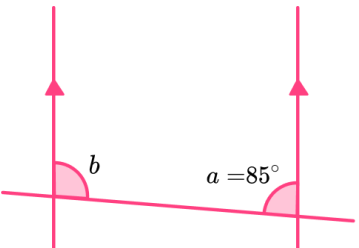
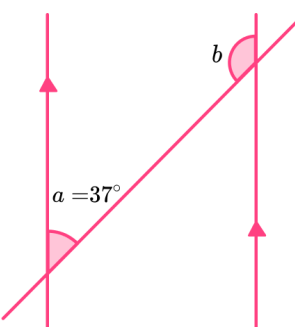
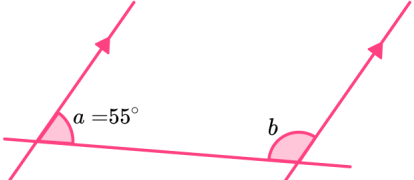
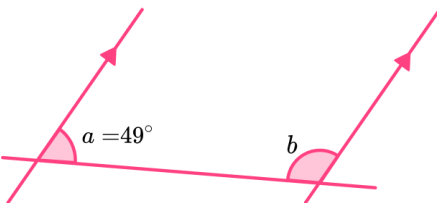
- (b) Write down the value of y . Give a reason for your answer.

.....
(2)
(4 marks)

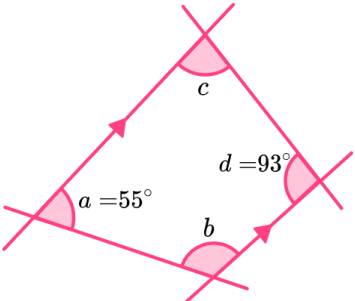
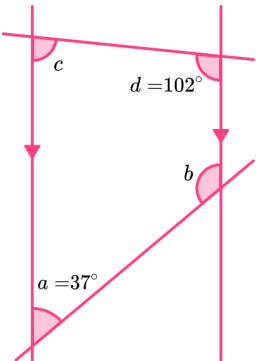
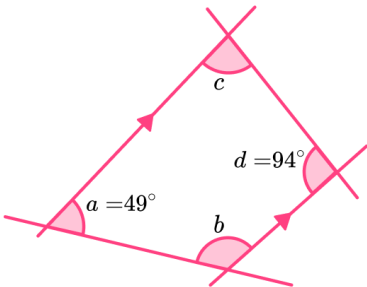
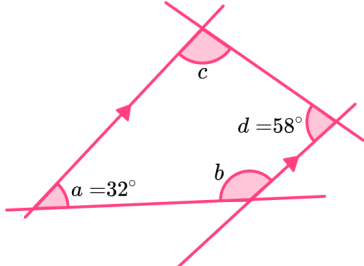
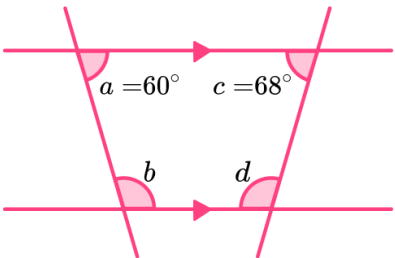
Co interior Angles -Answers

	Question	Answer
	Skill Questions	
Group A	<p>Find the missing angles:</p> <p>1) </p> <p>2) </p> <p>3) </p> <p>4) </p> <p>5) </p> <p>6) </p>	<p>1) 120°</p> <p>2) 50°</p> <p>3) 60°</p> <p>4) 130°</p> <p>5) 80°</p> <p>6) 100°</p>

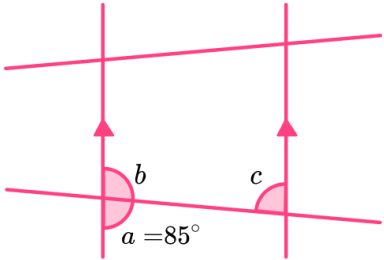
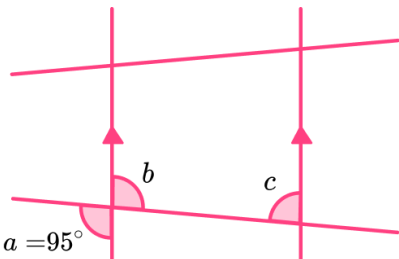
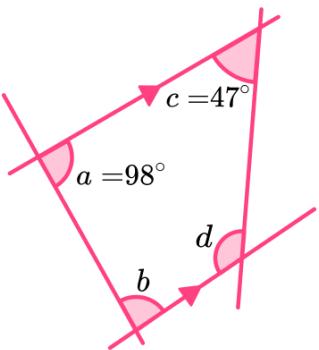
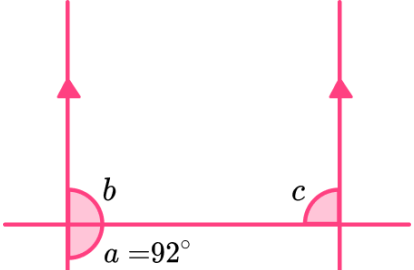
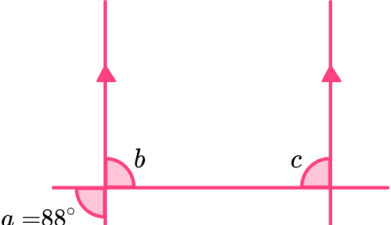
Co interior Angles - Answers

Group A contd	<p>7) </p> <p>8) </p> <p>9) </p> <p>10) </p> <p>11) </p> <p>12) </p>	<p>7) 49°</p> <p>8) 70°</p> <p>9) 95°</p> <p>10) 143°</p> <p>11) 125°</p> <p>12) 131°</p>
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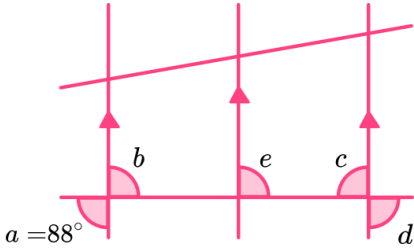
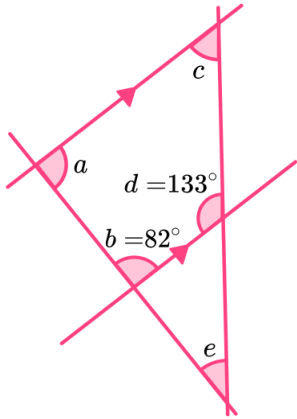
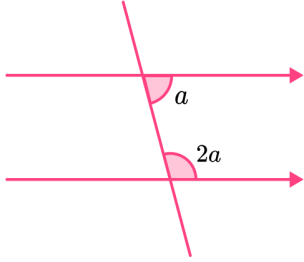
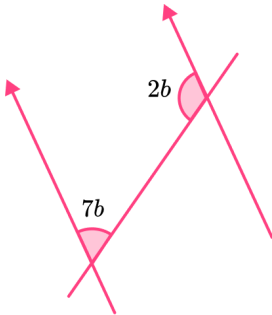
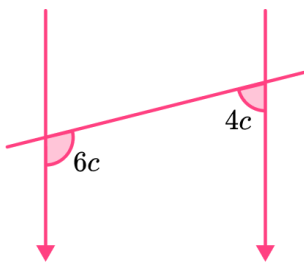
Co interior Angles - Answers

Group B	Find the missing angles:	
	<p>1)</p> 	<p>1) $b = 125^\circ$, $c = 87^\circ$</p>
	<p>2)</p> 	<p>2) $b = 143^\circ$, $c = 78^\circ$</p>
	<p>3)</p> 	<p>3) $b = 131^\circ$, $c = 86^\circ$</p>
	<p>4)</p> 	<p>4) $b = 148^\circ$, $c = 122^\circ$</p>
	<p>5)</p> 	<p>5) $b = 120^\circ$, $c = 112^\circ$</p>

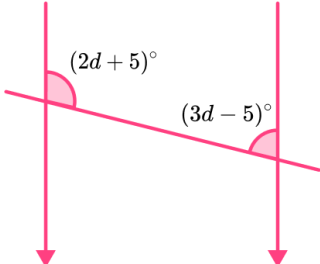
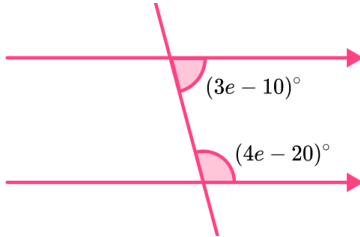
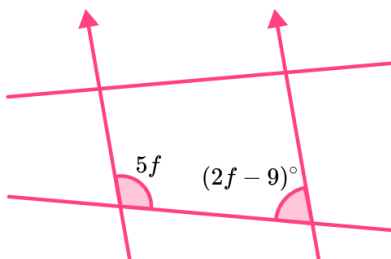
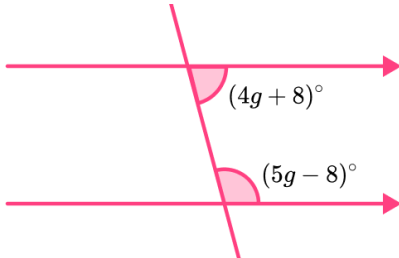
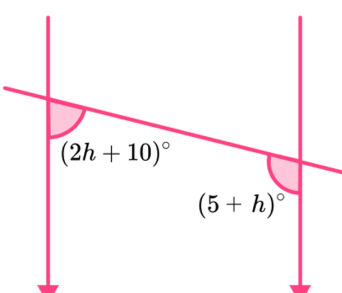
Co interior Angles - Answers

Group B contd	<p>6)</p> 	<p>6) $b = 95^\circ, c = 85^\circ$</p>
	<p>7)</p> 	<p>7) $b = 95^\circ, c = 85^\circ$</p>
	<p>8)</p> 	<p>8) $b = 82^\circ, c = 133^\circ$</p>
	<p>9)</p> 	<p>9) $b = 88^\circ, c = 92^\circ$</p>
	<p>10)</p> 	<p>10) $b = 88^\circ, c = 92^\circ$</p>

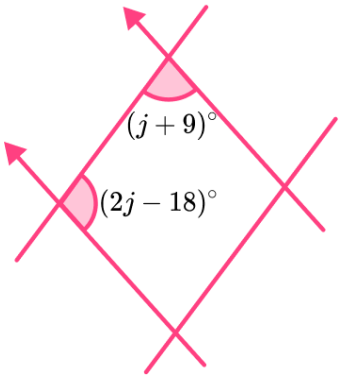
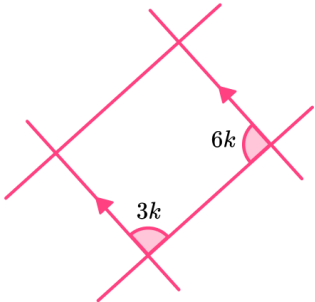
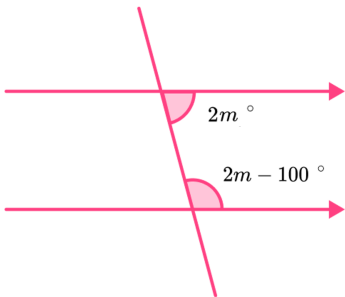
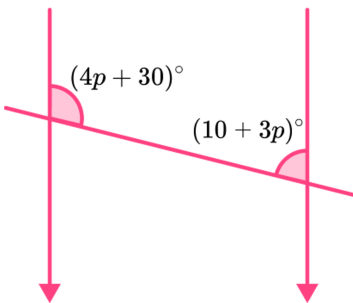
Co interior Angles - Answers

<p>Group B contd</p>	<p>11)</p>  <p>12)</p> 	<p>11) $b = 88^\circ$, $c = 92^\circ$, $d = 92^\circ$, $e = 88^\circ$</p> <p>12) $a = 98^\circ$, $c = 47^\circ$, $e = 35^\circ$</p>
<p>Group C</p>	<p>Find the unknown variable in each question:</p> <p>1)</p>  <p>2)</p>  <p>3)</p> 	<p>1) $a = 60$</p> <p>2) $b = 20$</p> <p>3) $c = 18$</p>

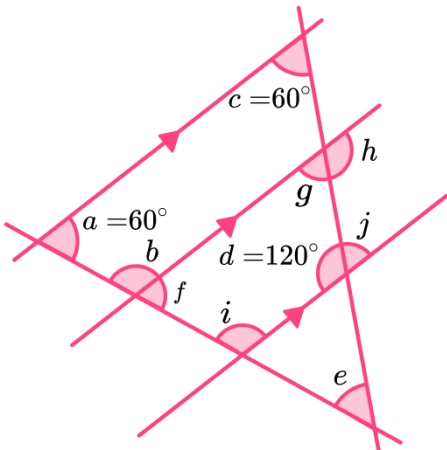
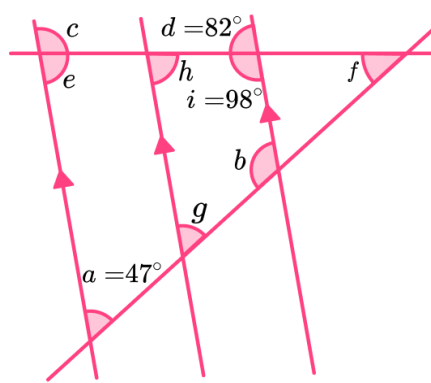
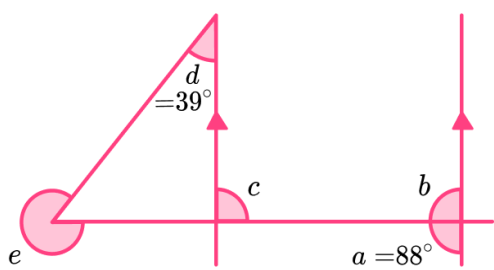
Co interior Angles - Answers

Group C contd	<p>4) </p> <p>5) </p> <p>6) </p> <p>7) </p> <p>8) </p>	<p>4) $d = 36$</p> <p>5) $e = 30$</p> <p>6) $f = 27$</p> <p>7) $g = 20$</p> <p>8) $h = 55$</p>
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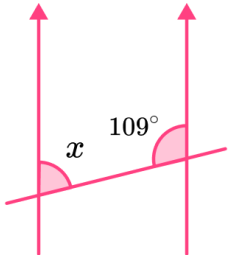
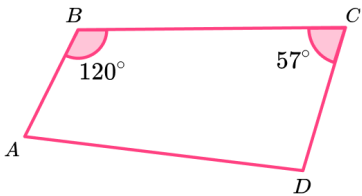
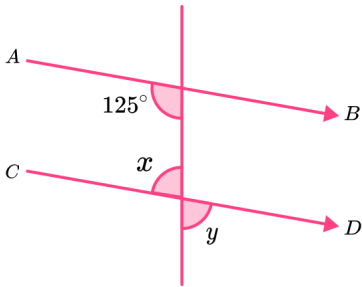
Co interior Angles - Answers

Group C contd	<p>9)</p> 	<p>9) $j = 63$</p>
	<p>10)</p> 	<p>10) $k = 20$</p>
	<p>11)</p> 	<p>11) $m = 70$</p>
	<p>12)</p> 	<p>12) $p = 20$</p>

Co interior Angles - Answers

	Question	Answer
	Applied Questions	
1)	<p>Find the missing angles.</p>  <p>Give reasons for your answers.</p>	<p> $b = 120^\circ$ Co interior angles add to 180° $e = 60^\circ$ Angles in a triangle add to 180° $f = 60^\circ$ Angles on a straight line add to 180° $g = 60^\circ$ Co interior angles add to 180° $h = 120^\circ$ Angles on a straight line add to 180° $i = 120^\circ$ Co interior angles add to 180° $j = 60^\circ$ Angles on a straight line add to 180° </p>
2)	<p>Find the missing angles.</p>  <p>Give reasons for your answers.</p>	<p> $b = 133^\circ$ Co interior angles add to 180° $c = 98^\circ$ Co interior angles add to 180° $e = 82^\circ$ Angles on a straight line add to 180° $f = 51^\circ$ Angles in a triangle add to 180° $g = 47^\circ$ Co interior angles add to 180° $h = 82^\circ$ Co interior angles add to 180° </p>
3)	<p>Find the missing angles.</p>  <p>Give reasons for your answers.</p>	<p> $b = 92^\circ$ Angles on a straight line add to 180° $c = 88^\circ$ Co interior angles add to 180° $e = 311^\circ$ Angles around a point add to 360° (Angles in triangle are $d = 39^\circ$, 92° and 49°) </p>

Co interior Angles - Mark Scheme

	Question	Answer	
	Exam Questions		
1) (a)	Work out the size of the angle marked x . 	(a) 71°	(1)
(b)	Give a reason for your answer.	(b) Co interior angles add to 180°	(1)
2) (a)	Below is a quadrilateral.  Is AB parallel to CD? Give a reason for your answer.	(a) $120 + 57 = 177$ No and the sum of co-interior angles is not equal to 180° oe	(1) (1)
3) (a)	AB is parallel to CD.  Work out the size of the angle marked x . Give a reason for your answer.	(a) 55° Co interior angles add to 180°	(1) (1)
(b)	Write down the value of y . Give a reason for your answer.	(b) 55° Vertically opposite angles are equal	(1) (1)

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