

CALCULATING ANGLES

TASK 1

Angles about a point

Without using a protractor, find the size of the marked angles using the sum of the angles about a point.

<p>a</p>	<p>b</p>	<p>c</p>
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TASK 2

Vertically opposite angles

Without using a protractor, find the size of the marked angles using vertically opposite angles.

<p>a</p>	<p>b</p>	<p>c AB and CD are both straight lines.</p>
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TASK 3
Angles that form a straight angle

Without using a protractor, find the size of the marked angles using the sum of the angles that form a straight angle.

<p>a</p>	<p>b</p>	<p>c</p> <p>What do you notice about the angle outside the triangle and the two acute angles inside?</p>
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TASK 4
Mixing them up

A letter can be used to stand for the size of the angle. In each of these diagrams, find the number that each different letter represents.

<p>a Each x represents the same number.</p>	<p>b AB and CD are straight lines.</p>
<p>c</p>	<p>ABCD is a rectangle and the lines are diagonals of that rectangle.</p>