



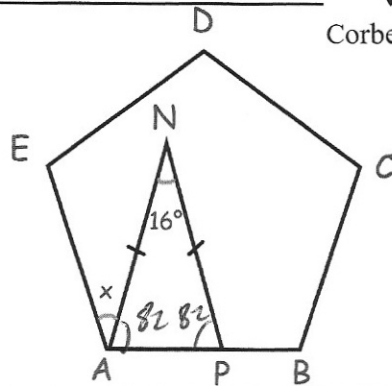
ABCDE is a regular pentagon.
ANP is an isosceles triangle.
P is a point on the line AB.

$540 \div 5 = 108^\circ$

Find the size of angle EAN

$180 - 16 = 164$
 $164 \div 2 = 82$
 $108 - 82 = 26^\circ$

$x = 26^\circ$



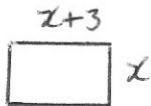
Solve the inequality

$9x + 4 < 5x - 14$
 $4x < -18$
 $x < -4.5$

$x < -4.5$

A rectangle has one side 3cm longer than the other.

Write an expression for the area.



$x(x+3)$

$x^2 + 3x$

$\frac{99}{100}, \frac{97}{95}, \frac{95}{90}, \frac{93}{85}, \dots$

$\begin{matrix} 100 & 95 & 90 \\ -5 & -10 & -15 \end{matrix}$

Find the nth term

$99, 97, 95, 93$
 $-2 \quad -4 \quad -6 \quad -8$ $-2n+101$

$-5n + 105$

$-2n + 101$

$-5n + 105$ or $\frac{101-2n}{105-5n}$

Charlotte and Melissa booked theatre tickets costing £180.
They have a voucher that entitles them to 20% off the total price.

Charlotte and Melissa share the total cost of the tickets in the ratio 5:7.

$5+7=12$

Work out how much more Melissa pays than Charlotte.

$180 \times 0.8 = £144$

$144 \div 12 = 12$

$5 \times 12 = 60$

$7 \times 12 = 84$

£ 24 more