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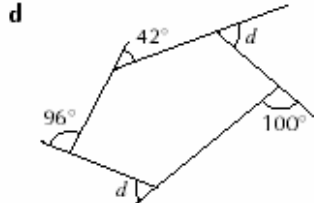
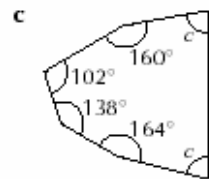
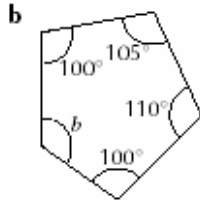
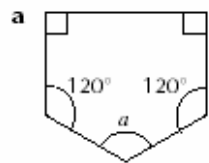
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Home Learning 2.2 Date Due:.....

1 Find the sum of the interior angles for each of the following polygons:

- a a pentagon b a hexagon c an octagon

2 Calculate the size of the lettered angle in each of the following polygons:



3 Write down the size of each exterior angle for the following regular polygons:

- a a regular pentagon b a regular hexagon c a regular octagon

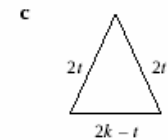
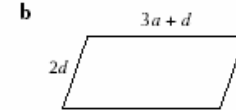
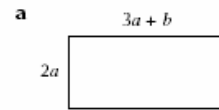
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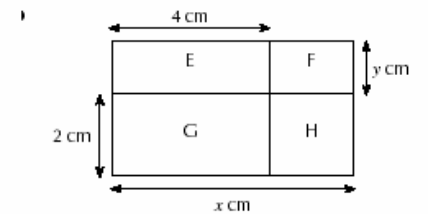
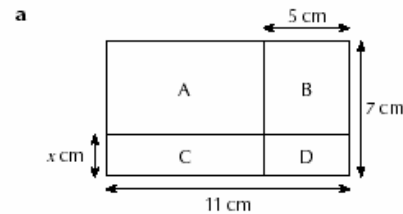
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Home Learning 5.4 Date Due:.....

1 Find the perimeter of each of the following shapes in the simplest expanded form:



2 Write down the area of each small rectangle in the large rectangles in the simplest expanded form:



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Simplify the expressions in Questions 1, 2, 3 and 4.

- | | | | |
|-----------------------------------|--------------------------------|---------------------------------|-------------------------------|
| 1 a $2u + 4u$ | b $9k - 3k$ | c $5t - 7t$ | d $-m - 2m$ |
| e $4n + 2n + 7n$ | f $9r - 2r - 3r$ | g $4xy - 2xy$ | h $3m^2 + 8m^2 - 6m^2$ |
| 2 a $2h + 5h + 4g$ | b $5y - 3y + 2z$ | c $8a + 3b - 20b$ | d $4i - 7j + 2j$ |
| e $2bc + 5bc + 3b$ | f $9f^2 - 2f - 5f^2$ | | |
| 3 a $4w + 3w + 2x + 3x$ | b $9p - 3p + 7q - 9q$ | c $3d + 2e + 5d + e$ | |
| d $4f + 6g - 2g + 3f$ | e $5m + 3n - 2m - 8n$ | f $-3a + 2b + 4a - b$ | |
| 4 a $5w^2 + 3w + 2w^2 - w$ | b $4mn + 5m - 2mn - 6m$ | c $8p^2 + p - 5p^2 - 7p$ | |
| d $10q^2 - 3q - 5q^2 + 2q$ | | | |

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