

Code Breaker: Angles in Polygons *ANSWERS*

The Maths Habit

CRACK THE CODE

Every polygon is regular. Work out each answer. Look your answer up in the **Code Box** and write the letter it unlocks in the white box. Collect all thirteen letters in the strip, then unscramble them to find the answer.

13 CLUES



1 4 sides exterior angle K	2 6 sides exterior angle W	3 10 sides exterior angle K	4 8 sides exterior angle L
5 5 sides interior angle E	6 6 sides interior angle S	7 8 sides interior angle L	8 9 sides interior angle U
9 12 sides interior angle E	10 5 sides interior angle sum Y	11 6 sides interior angle sum R	12 8 sides interior angle sum K
13 exterior angle 20° number of sides A	YOUR LETTERS K W K L E S L U E Y R K A UNSCRAMBLE Clue: a Star Wars character (4, 9) <u>LUKE SKYWALKER</u>		

CODE BOX

18 = A	30 = B
36 = K	45 = L
60 = W	72 = T
90 = K	100 = M
108 = E	120 = S
135 = L	140 = U
144 = N	150 = E
360 = O	540 = Y
720 = R	900 = D
1080 = K	1260 = C



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