TRY THESE

1 Name each polygon based on its characteristics.

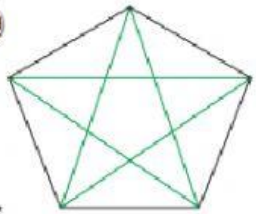
a
- 6 straight sides which are closed
- all straight sides of equal length
- 6 symmetrical axes

b
- 3 straight sides of equal length
- 3 equal interior angles
- 0 diagonal

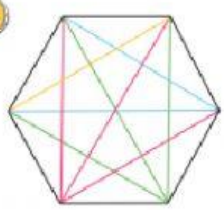
c
- 7 corners
- all straight sides of equal length
- 14 diagonals

2 How many diagonals are there in each of these regular polygons?

a



b



3 Complete the table below.

Regular polygon	Number of straight sides	Number of corners	Number of symmetrical axes	Number of angles	Number of diagonals
equilateral triangle	3		3		
square		4		4	
pentagon		5	5		
hexagon	6		6		9
heptagon		7		7	14
octagon	8			8	20

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