

Warm your brain up!

Solve these multiplication problems on your whiteboard!

Challenge 1

$3 \times 4 =$

$7 \times 2 =$

$6 \times 5 =$

$5 \times 3 =$

Challenge 2

$13 \times 7 =$

$16 \times 4 =$

$35 \times 3 =$

$43 \times 4 =$

Challenge 3

$32 \times 8 =$

$43 \times 7 =$

$72 \times 9 =$



Learning Question:

How can I find the perimeter of regular polygons?

Success Criteria:

Know perimeter is the distance around a shape.

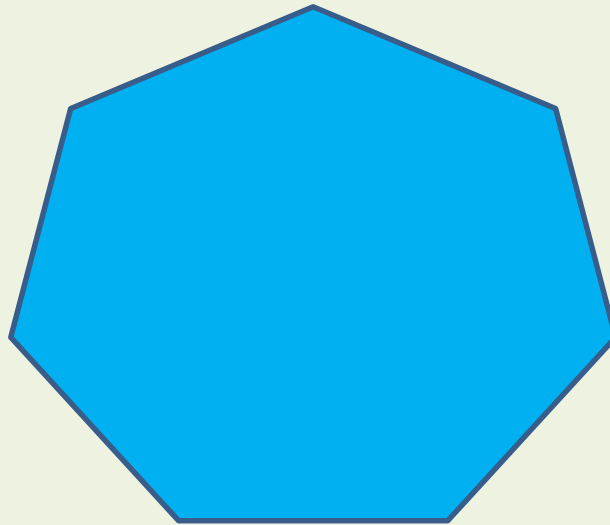
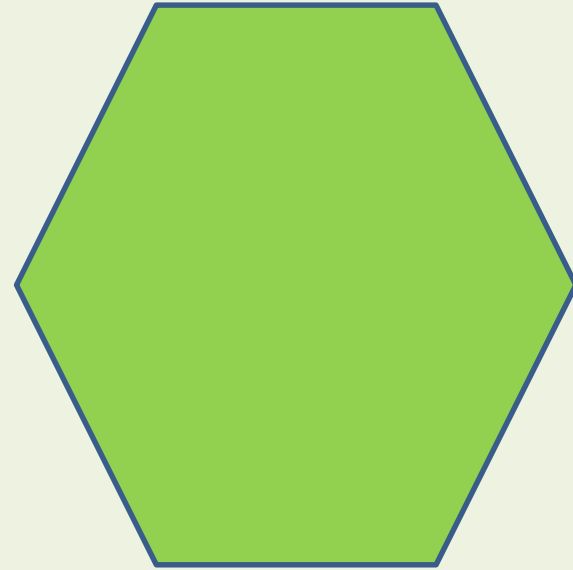
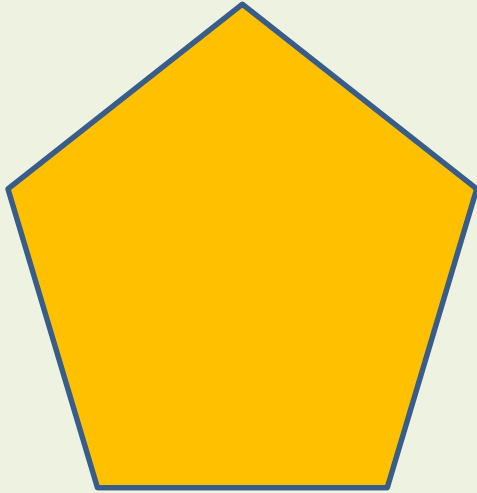
Know that a shape is regular when all the sides are an equal length.

Find the perimeter of polygons by adding each side.

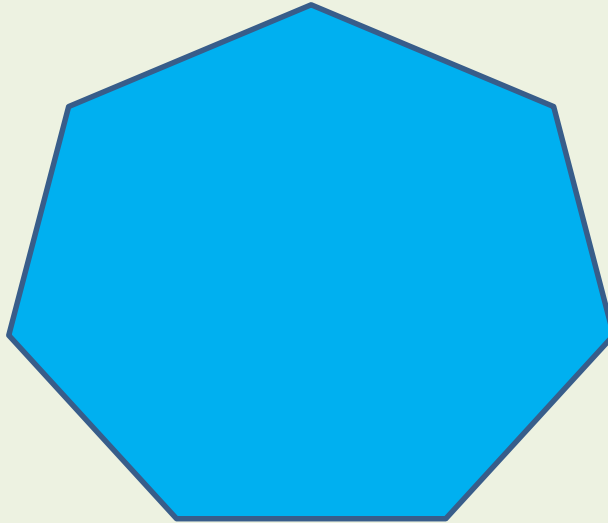
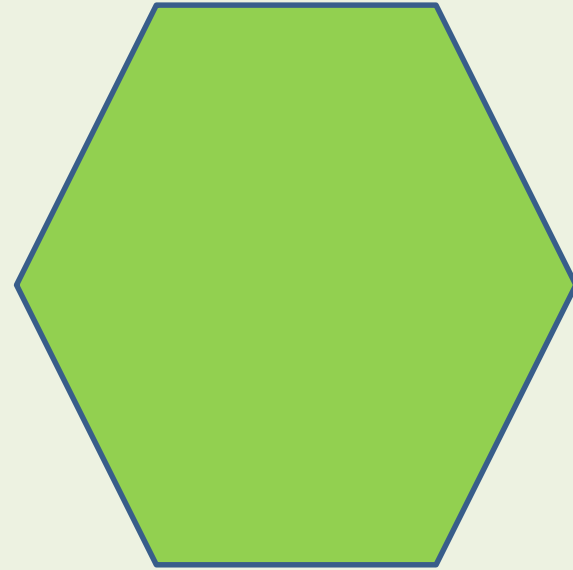
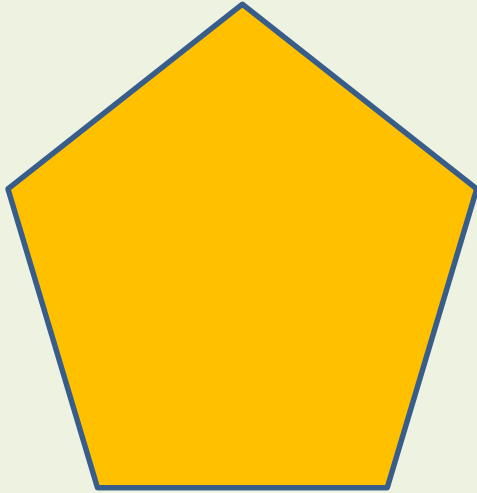
Use multiplication facts to help find the perimeter of a polygons.

Vocabulary

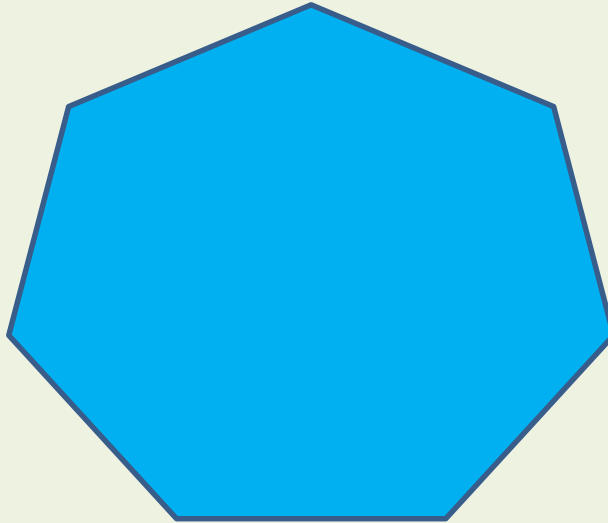
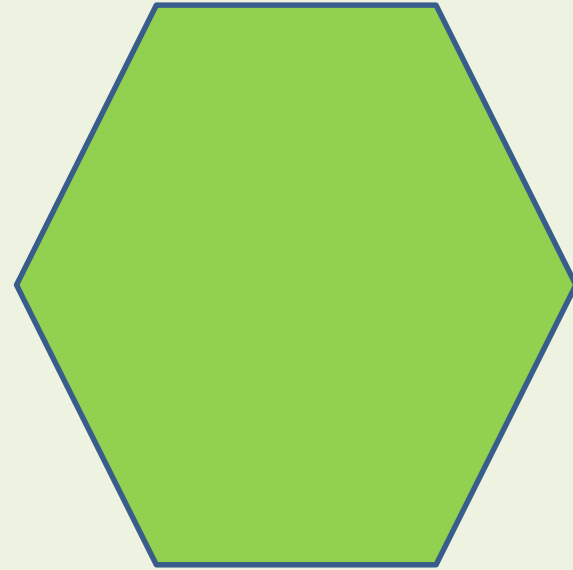
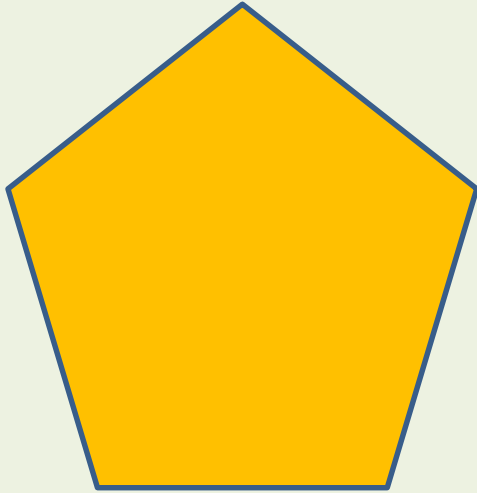
What is a polygon ?



What is a regular shape?



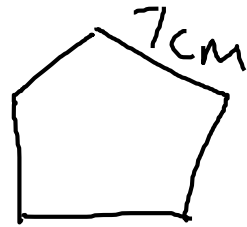
So ... What is a regular polygon ?



What information do we need to find the perimeter of a *regular polygon*

1.

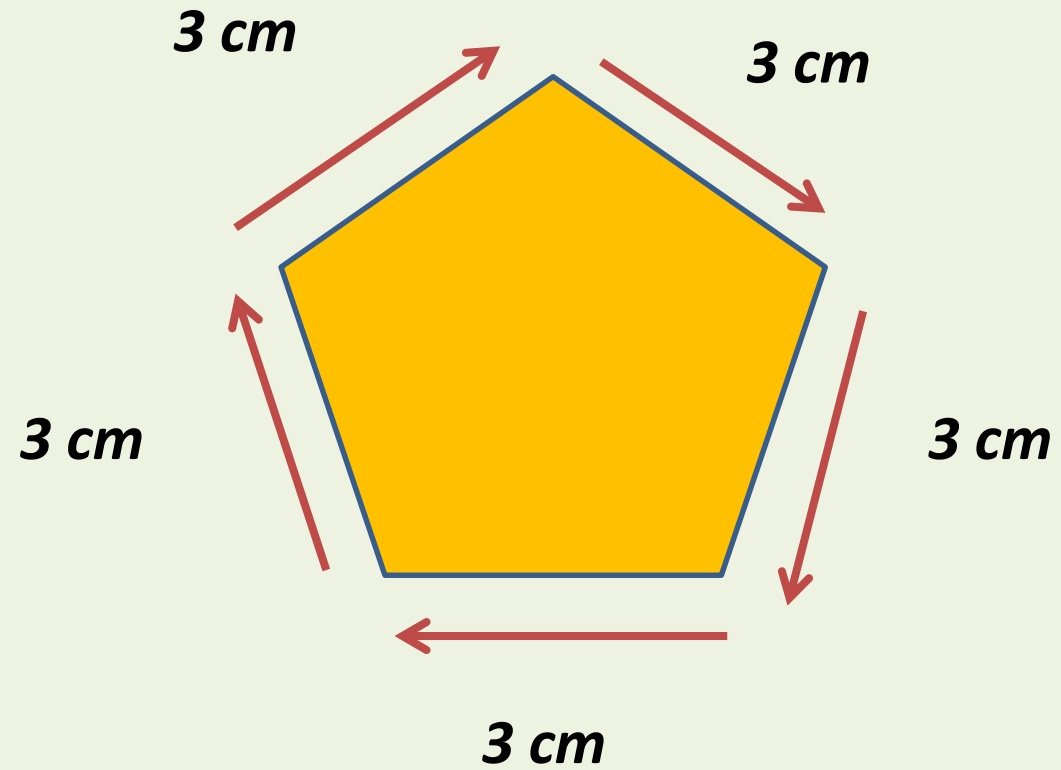
length of each side



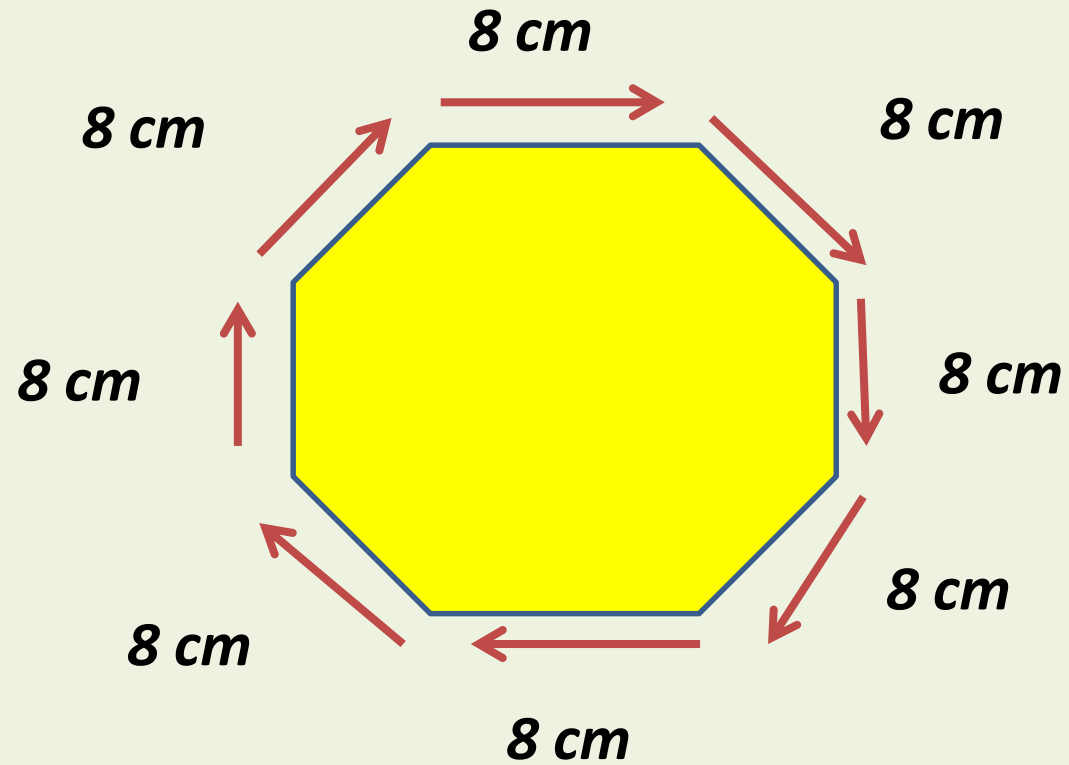
2.

how many sides

How can you calculate the perimeter of a pentagon?

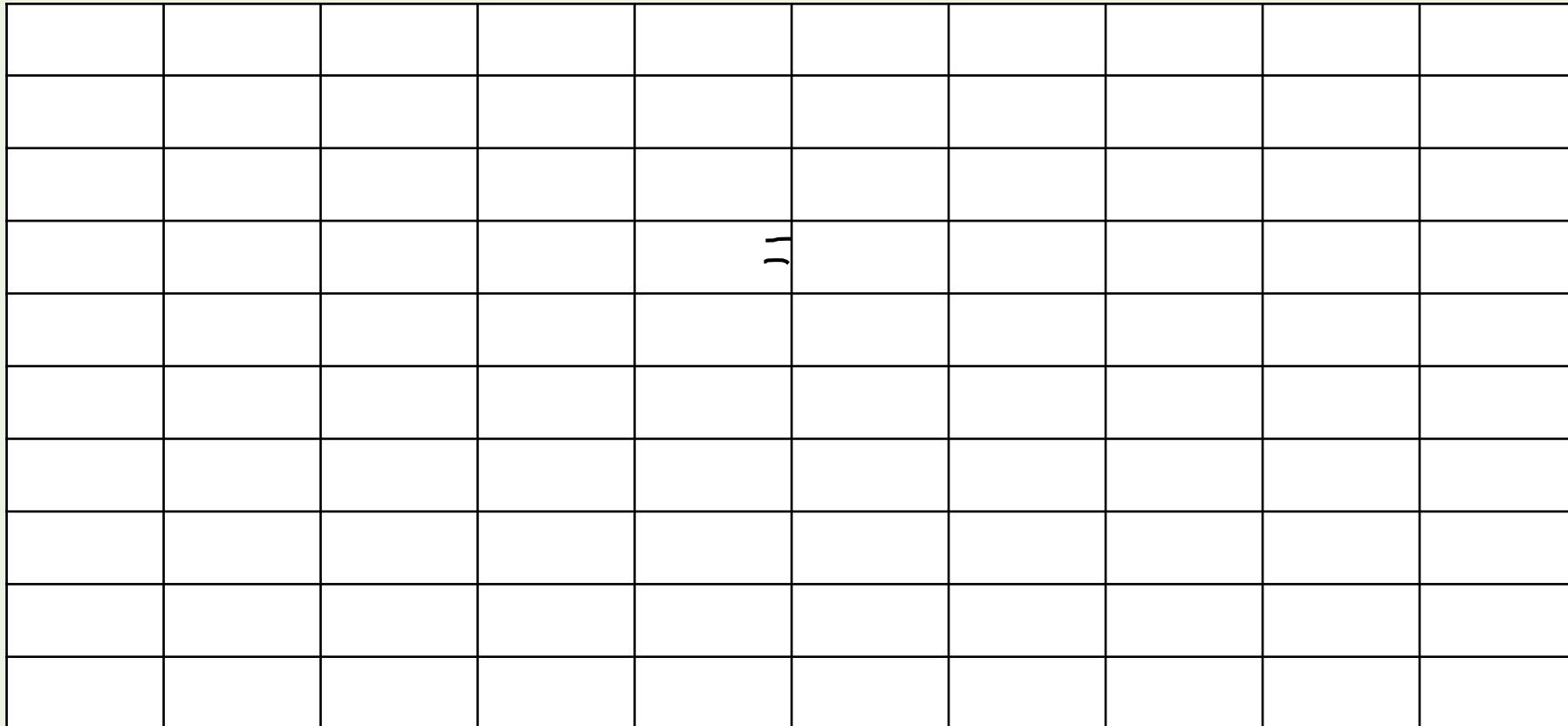


How can you calculate the perimeter of an octagon
?



How would we find the perimeter of ...

A *regular triangle* with sides of 15 cm ?



Find the perimeter on your whiteboard

A **regular pentagon** with sides of 3 cm ?

A **regular hexagon** with sides of 13 cm ?

A **regular heptagon** with sides of 24 cm ?

A **regular octagon** with sides of 37 cm ?

Your tasks today

Hard: Find the perimeter of regular polygons (sides 1 digit) with pictures

Harder : Find the perimeter of regular polygons (sides - 2 digit) with pictures

Hardest : Find the perimeter of regular polygons (sides - 2 digit) without pictures

Herculean: Word problems – perimeter of regular polygons.