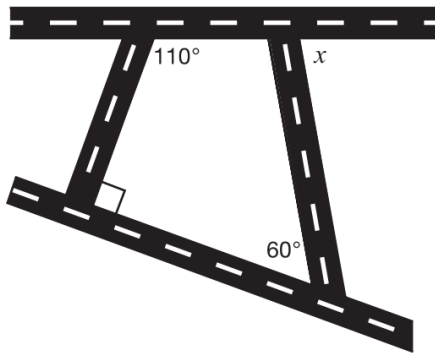


Review and EQAO Practice for Chapter 7 – Angles

2017

- 22** Four streets are pictured.

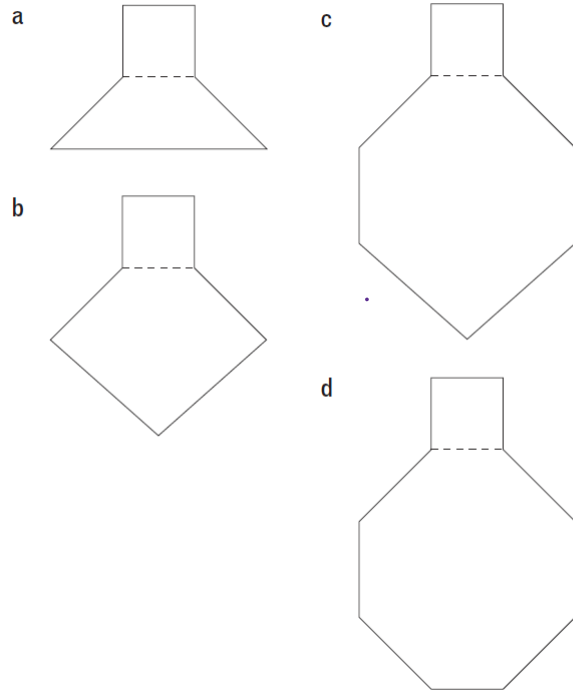


What is the value of x ?

- a 60°
- b 80°
- c 100°
- d 110°

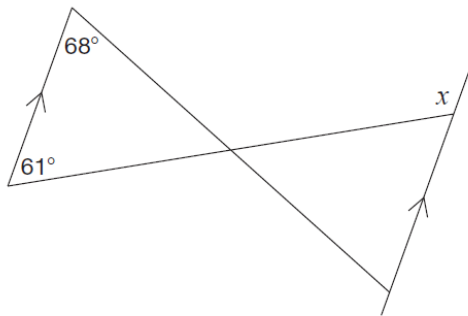
2016

- 22** Which of the following composite shapes has 900° as the sum of its interior angles?



2015

- 30** Consider the diagram below.

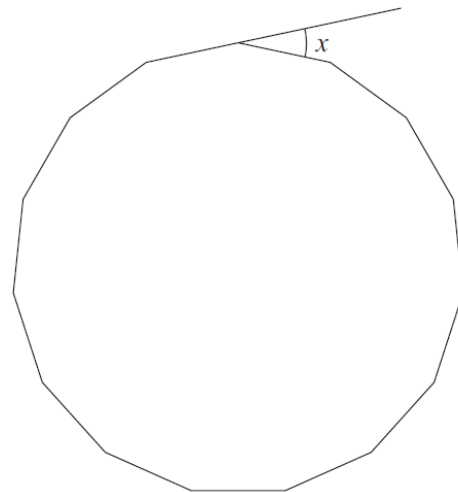


What is the value of x ?

- a 61°
- b 68°
- c 112°
- d 119°

2015

- 31** The following figure is a 15-sided regular polygon.

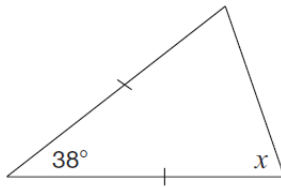


What is the value of x shown in the diagram?

- a 24°
- b 34°
- c 46°
- d 48°

2014

28 What is the value of x in the diagram below?



- a 38°
- b 71°
- c 104°
- d 161°

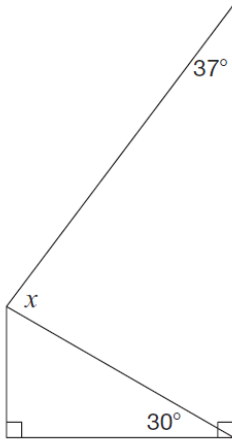
29 The sum of the interior angles of a polygon is 2700° .

How many sides does the polygon have?

- a 19
- b 17
- c 15
- d 13

2013

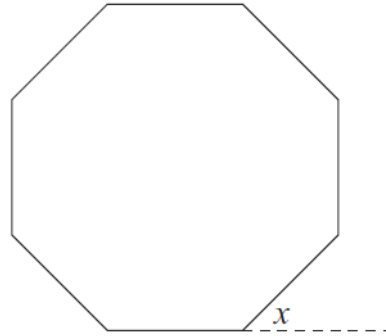
28 Consider the diagram below.



What is the value of x in the diagram?

- a 30°
- b 53°
- c 60°
- d 83°

29 Consider the regular octagon below.



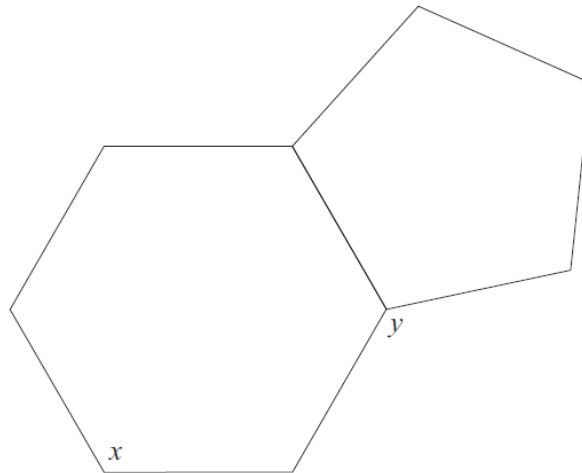
What is the value of x ?

- a 15°
- b 30°
- c 45°
- d 60°

2016

14 Six and Five Sides

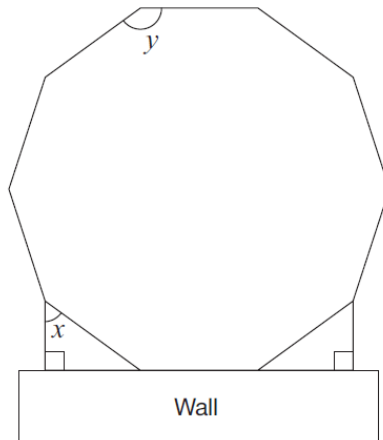
A regular hexagon and a regular pentagon are joined as shown below.



Complete the table below with the values of x and y . Justify your answer using geometric properties.

Value	Justification using geometric properties
$x =$ _____	
$y =$ _____	

A schoolyard is in the shape of a regular decagon, as pictured below.



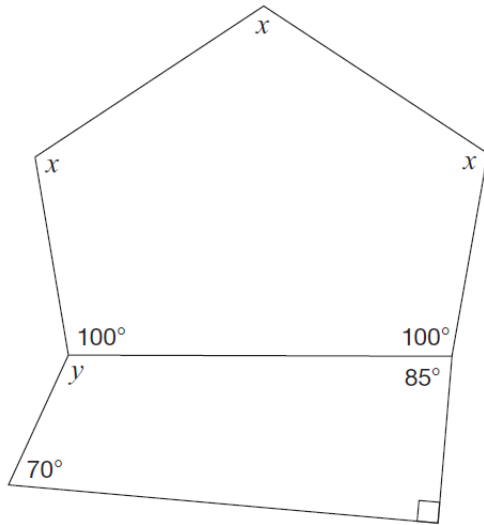
Complete the chart below with the values of x and y . Justify your answers using geometric properties.

Value	Justification using geometric properties
$x = \underline{\hspace{2cm}}$	
$y = \underline{\hspace{2cm}}$	

2014

31 Daring Diagram

A diagram is shown below.



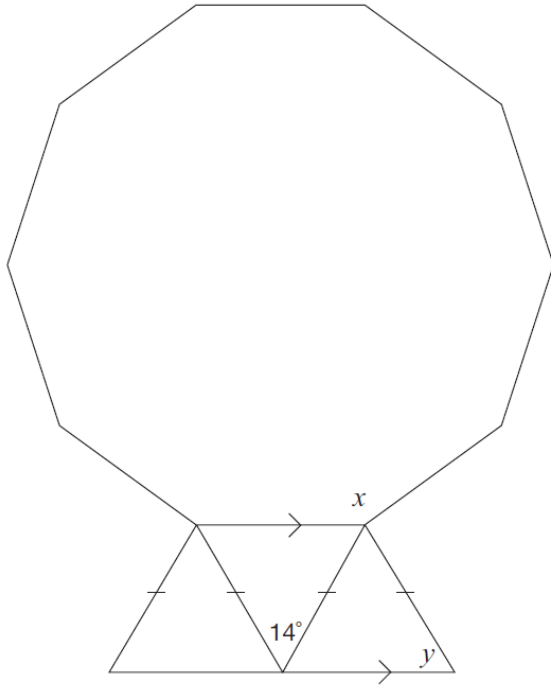
Complete the table below with the values of x and y . Justify your answers using geometric properties.

Value	Justification using geometric properties
$x =$ _____	
$y =$ _____	

2013

31 Diamond Cut

The diagram below shows a regular decagon and three isosceles triangles.



Determine the values of x and y . Justify your answers using geometric properties.

Value	Justification using geometric properties
$x = \underline{\hspace{2cm}}$	
$y = \underline{\hspace{2cm}}$	