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Ain Jaloot School  
2020-2021



# Chapter 16

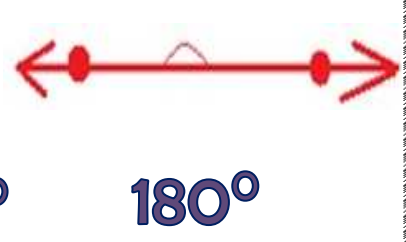
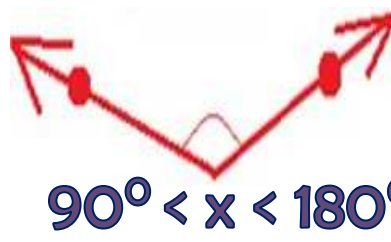
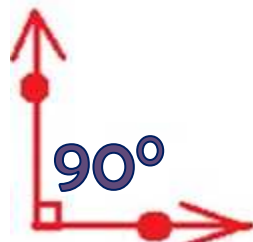
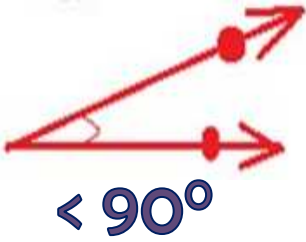
## Geometry





LESSON 1+2 ... Classify angles تصنيف الزوايا

(الهدف) Outcomes: I can classify angles by name



**A cute angle**

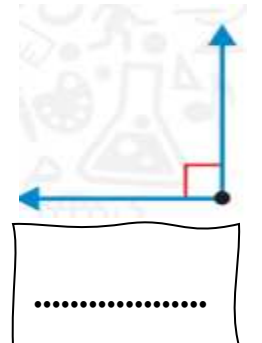
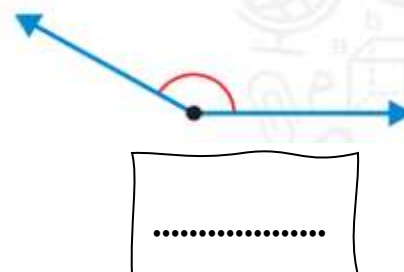
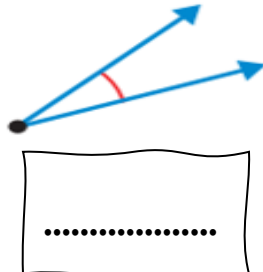
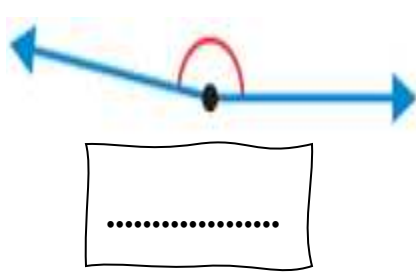
**right angle**

**obtuse angle**

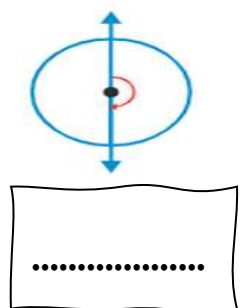
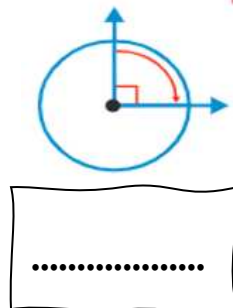
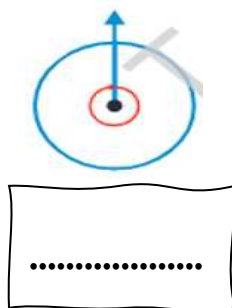
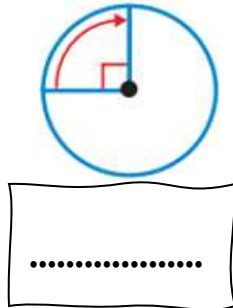
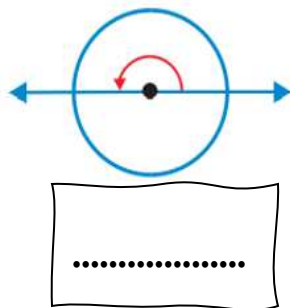
**straight angle**

The unit to measure angle is **degree** ( $^\circ$ )

Q1 : **classify** each angles are cute , right , obtuse :



Q2 : Write the **Measure of the angle in degree** and as fraction :



Q3 : **Choose** the correct answer :

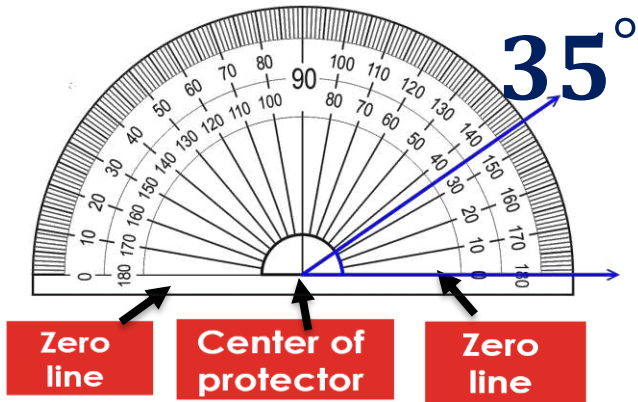
Which is the acute angle?





**LESSON 3 ...** قياس الزوايا

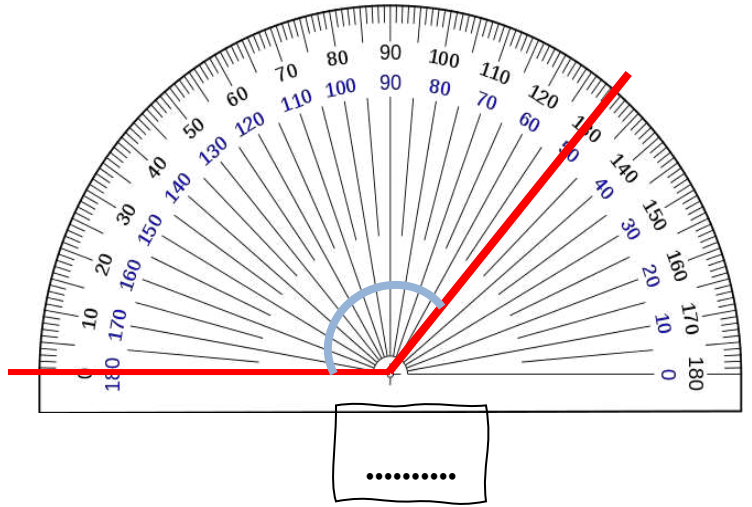
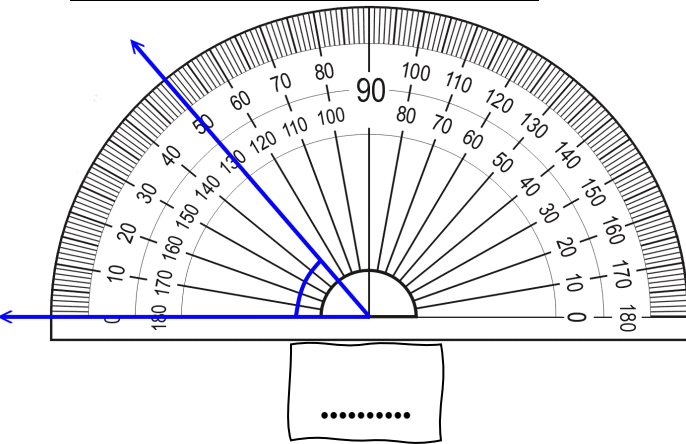
المنقلة (الهدف) Outcomes: I can measure angles using protractor



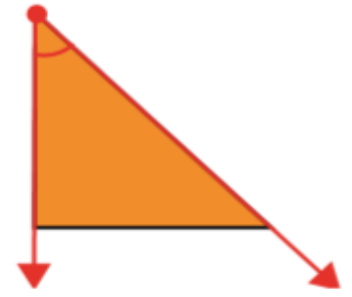
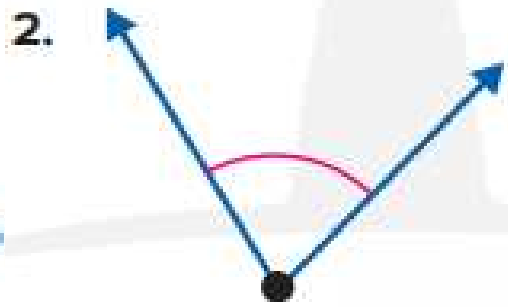
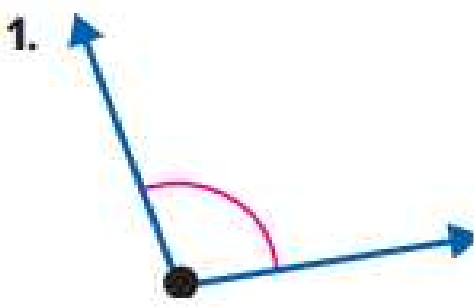
1. Line up the protractor
2. Line up angle
3. Measure the angle

نضع مركز المنقلة ( في الوسط ) عند نقطة التقاء الشعاعين و نضع الزاوية على خط الصفر ثم نبدأ بالعد من الصف الى 35 درجة ..

**Q1 : Measure the angles :**



**Q2 : Use the protractor to Measure the angles :**



**Q3 : Choose the correct answer :**

What is the measure of the angle?

- |         |         |
|---------|---------|
| (A) 90° | (C) 75° |
| (B) 80° | (D) 70° |





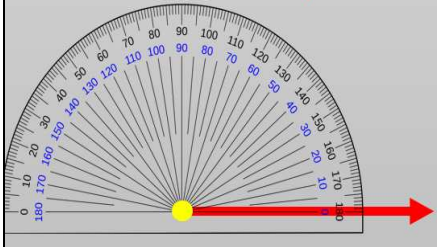
LESSON 4 ... Draw angles قياس الزوايا

(الهدف) Outcomes: I can draw angle using ruler and protractor

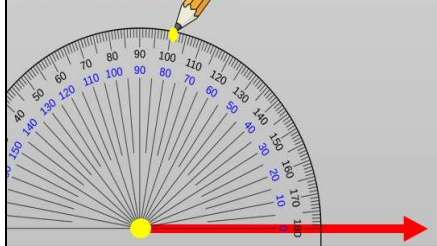
**First:** we put the **endpoint** then draw the **line with ruler**



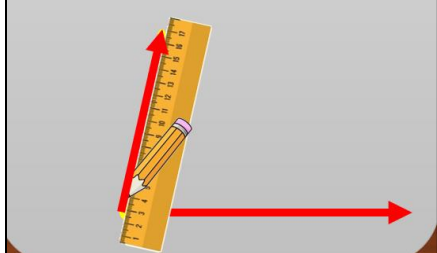
**Second:** We define the **endpoint** with the center of the protractor



**Third:** I specify the degree of the angle I want



**Fourth:** Using the ruler, connect the endpoint with the angle marker



Hey .. I was able to draw the angle easily and it is an **acute angle**



Q1 : **Draw an angle** for each measure :

**30°**

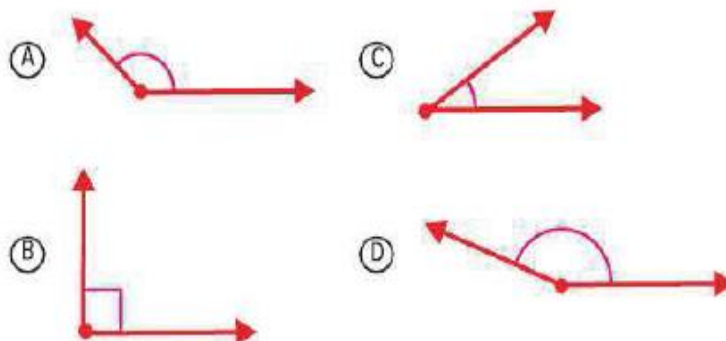
**130°**

**90°**

**145°**

**100°**

**80°**

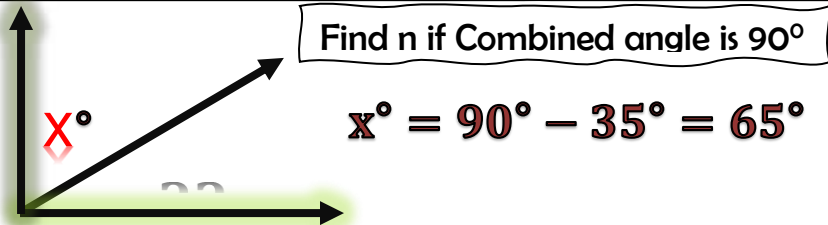
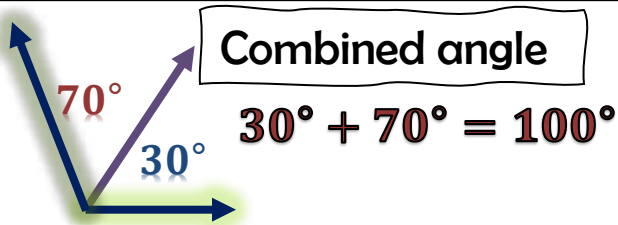


Which is the correct drawing of a **160°** angle?



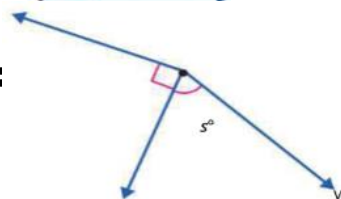
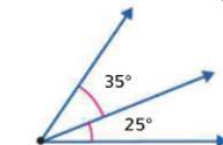
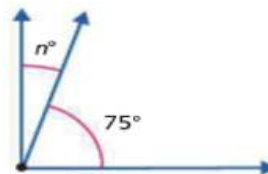
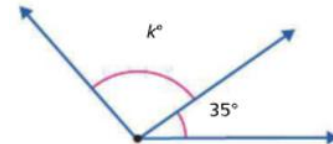
**LESSON 5 ... Solve problem with angles**

(الهدف) Outcomes: I can find unknown from the combined angle



**Q1 : Choose the correct answer :**

- 1) Find unknown is combined angle is  $130^\circ$  :  
 a)  $165^\circ$                       b)  $85^\circ$                       c)  $95^\circ$
- 2) Find unknown is combined angle is  $90^\circ$  :  
 a)  $5^\circ$                               b)  $15^\circ$                       c)  $25^\circ$
- 2) Find the combined angle measure :  
 a)  $10^\circ$                               b)  $60^\circ$                       c)  $70^\circ$
- 3) Find unknown is combined angle is  $150^\circ$  :  
 a)  $60^\circ$                               b)  $50^\circ$                       c)  $40^\circ$



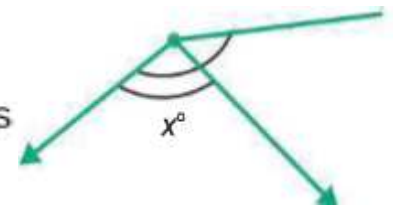
**Q2 : Problem solving :**

**Mathematical Practices**



**Model Math**

The combined measure of the angles is  $150^\circ$ . One angle measures  $50^\circ$ . Find the value of  $x$ .



.....

The combined angle measure is  $120^\circ$ . What is the value of  $n$ ?

- (A) 45
- (B) 40
- (C) 35
- (D) 30

