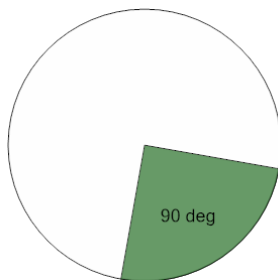# Geometry of Circles - Sector Area - Total Area and Angle to Sector Area
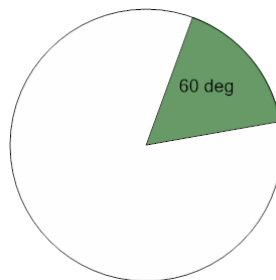
1 If the total area of the circle is 4, what is the area of the shaded sector?
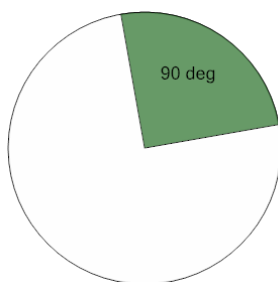
90 deg

A		B	
	3		2
C		D	
	4		1
E			
	0		

2 If the total area of the circle is 36, what is the area of the shaded sector?

60 deg

A		B	
	7		3
C		D	
	2		8
E		F	
	6		9

3 If the total area of the circle is 4, what is the area of the shaded sector?

90 deg

A		B	
	3		2
C		D	
	1		0
E			
	4		

4 If the total area of the circle is 42, what is the area of the shaded sector?

60 deg
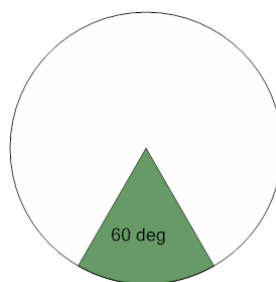
A		B	
	8		7
C		D	
	3		5
E		F	
	10		6

5 If the total area of the circle is 21, what is the area of the shaded sector?

120 deg
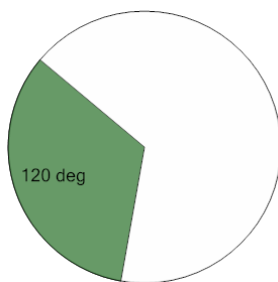
A		B	
	7		6
C		D	
	10		5
E		F	
	9		8

6 If the total area of the circle is 4, what is the area of the shaded sector?

90 deg
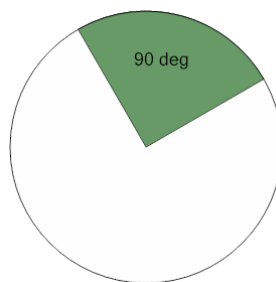
A		B	
	3		4
C		D	
	1		0
E			
	2		

7 If the total area of the circle is 30, what is the area of the shaded sector?

60 deg
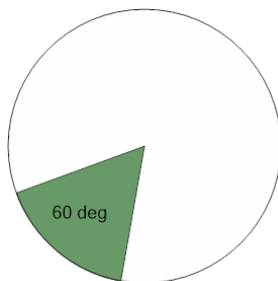
A		B	
	1		3
C		D	
	2		5
E		F	
	7		8

8 If the total area of the circle is 12, what is the area of the shaded sector?

60 deg

A		B	
	0		3
C		D	
	4		2
E		F	
	5		1

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