

Please work your way through these, skipping to the next sheet if you do not feel challenged enough. 3 is the most challenging.

1)

- 1) Find three different sets of three numbers that have a sum of 360.



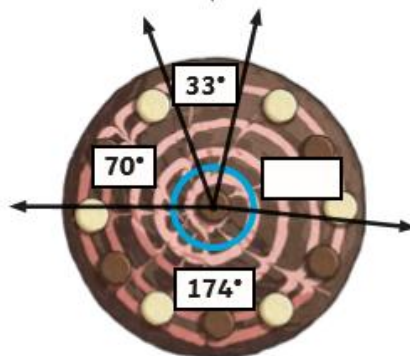
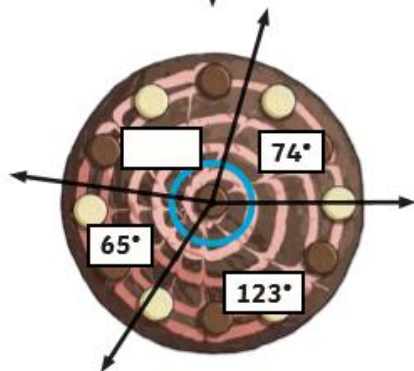
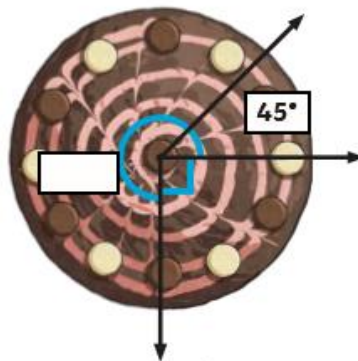
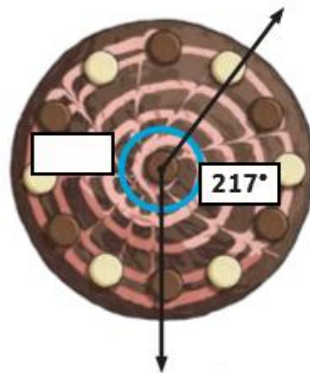
110	270	135
245	120	60
65	25	90
130	30	160

a) _____

b) _____

c) _____

- 2) Calculate the missing angles.



2)

1) Abdul is facing north.



He turns clockwise 135° , then another 90° . How many more degrees clockwise does Abdul need to turn to return to north?



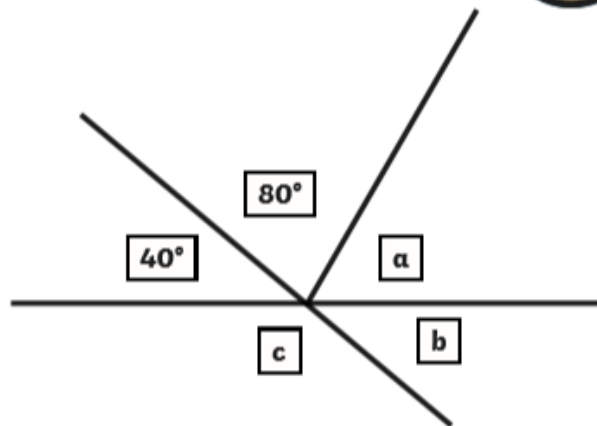
2) True or false?

		T	F
a	Four right angles make a full turn.		
b	A third of a full turn is a reflex angle.		
c	When the hands of a clock show 5 o'clock, the angles shown are 160° and 200° .		
d	You can make one whole turn with three acute angles.		

3)

- 1) Calculate the missing angles on this picture.

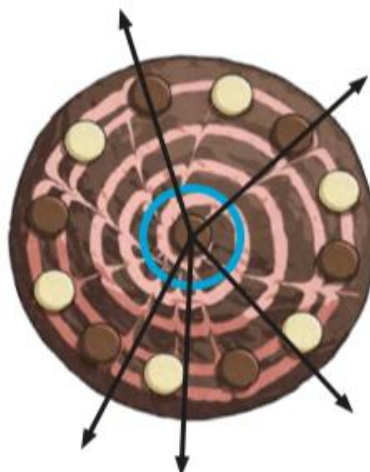
a	
b	
c	



How can you check your answers are correct?

- 2) Can you follow the instructions to work out how much cake each person gets in degrees?

Aamina has $\frac{3}{8}$ of the cake. Bonnie has 20° more than Daniel. Cris has a right-angled slice of cake. Daniel's portion is half of a right angle. Emma eats what's left.



Aamina =		Daniel =	
Bonnie =		Emma =	
Cris =			