Name:	More Geometry
Why 360° in a circle?	
traveled in a circle around According to their calculation	ncient Sumerians who thought that the Sun the Earth (instead of the other way around). ons, it took 360 days for the Sun to complete one ed the circle into the 360 parts (degrees) that we
number system on the num 10). They didn't have decir	er taken over by the Babylonians, who based their nber 60 (just like ours is based on the number mal numbers, only fractions, so 60 was a good in be divided by 2, 3, 4, 5, and 6 without a
1. 2, 3, 4, 5 and 6 are	factors of 60. What are the other factors of 60?
How many factors do	es 60 have altogether?
What are the first 6 r	multiples of 60?
2. Fill in the blanks wit	h fractions <u>reduced to lowest terms</u> .
What fraction of a full circle	e does a 40° angle sweep out?
What fraction of a <u>right and</u>	gle is 45°?
Wat fraction of a <u>straight a</u>	<u>ngle</u> is 60°?
3. Draw two points A a	nd B. Now, draw a line that goes through both

points.

- 4. Draw a ray that has its vertex at point C and passes through point D.
- 5. Draw and angle that has its vertex at point E and sides EF and EG.
- 6. Draw a sketch of a 90° angle:

7. What fraction of a right angle is an angle of 45°? _____ (reduced)

Draw a sketch of a 45° angle:

8. What fraction of a right angle is an angle of 30°? _____ (reduced) Draw a sketch of a 30° angle:

- 9. What fraction of a right angle is an angle of 60° ? _____ (reduced) Draw a sketch of a 60° angle:
- 10. Draw a sketch of a 180° angle: