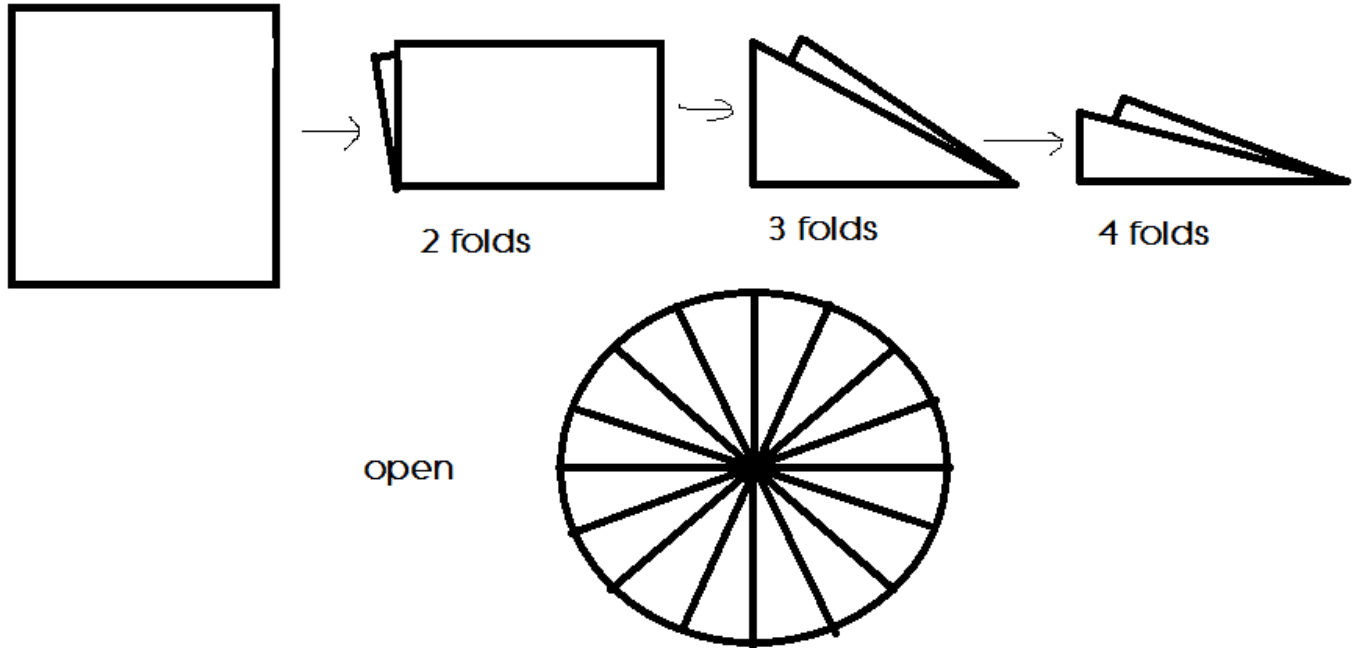


# ANGLES

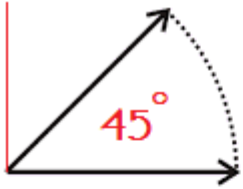
The tool used to measure degrees is called a **protractor**. You can make a protractor by printing from a template or folding a square of paper. Use transparent standard size paper  $8\frac{1}{2}$  inches x 11 inches into a square ( $8\frac{1}{2}$  x  $8\frac{1}{2}$  inches). Fold the paper precisely and tightly. You should get 16 angles surrounding the center. Tear or cut off the resulting wedge shape (4-5 inches from vertex.). Use your protractor to measure angles. You may call the unit of measure “wedges” (like degrees).



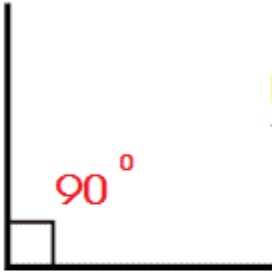
## WORKSHEET

[Angles](#) **Download**

## Types of Angles



Acute angle is less than  $90^\circ$



Right angle is equal to  $90^\circ$



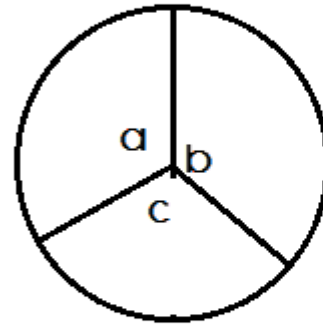
Obtuse angle is more than  $90^\circ$  but less than  $180^\circ$

Straight line is equal to  $180^\circ$

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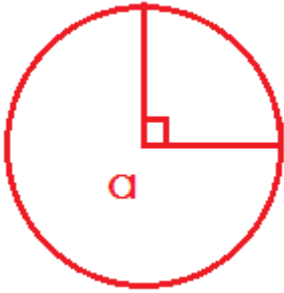
Reflex angle is more than  $180^\circ$  but less than  $360^\circ$



The sum of the angles at the centre of a circle  
 $a + b + c = 360^\circ$

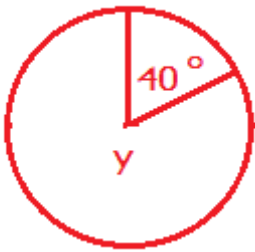
## Exercises

1. Indicate the angle name and value of the angle marked by a letter.



- Reflex angle       obtuse        $270^\circ$         $90^\circ$

2. Indicate the angle name and value of the angle marked by a letter.



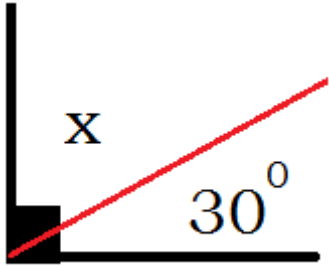
- obtuse       reflex        $320^\circ$         $40^\circ$         $140^\circ$

3. Indicate the angle name and value of the angle marked by a letter.



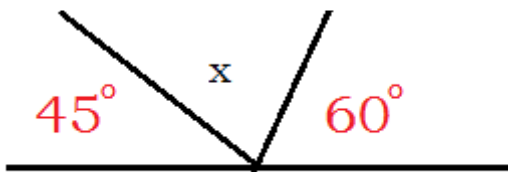
- acute angle – 25       right angle – 90       obtuse angle – 25       reflex angle – 90

4. Indicate the angle name and value of the angle marked by a letter.



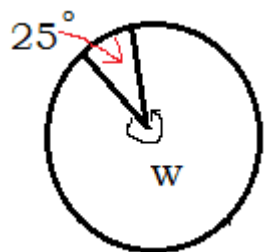
- acute –  $60^\circ$                        reflex –  $90^\circ$                        acute –  $90^\circ$   
 obtuse –  $60^\circ$                        right angle –  $90^\circ$

5. Indicate the angle name and value of the angle marked by a letter.



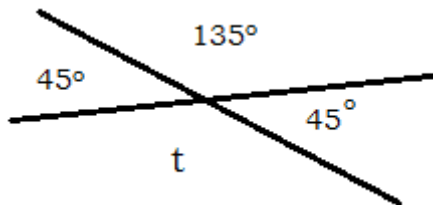
- Acute                       90                       255  
 Obtuse                       75

6. Indicate the angle name and value of the angle marked by a letter.



- obtuse                       reflex                       155                       335                       300

7. Indicate the angle name and value of the angle marked by a letter.



reflex –  $45^\circ$

obtuse –  $135^\circ$

reflex –  $135^\circ$

obtuse-  $185^\circ$