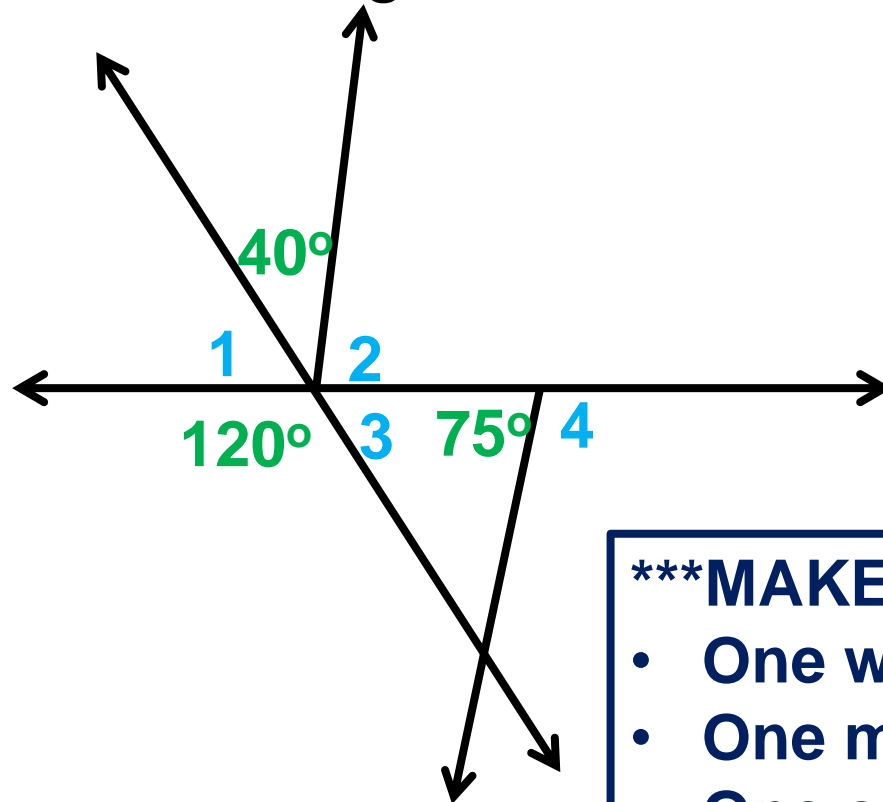


Warmup 2/ (#of faces on a cube)

- I. Find the measures of all marked angles in the diagram.
Label the angles as shown in the box.



$$m\angle 1 = \underline{\hspace{1cm}}$$

$$m\angle 2 = \underline{\hspace{1cm}}$$

$$m\angle 3 = \underline{\hspace{1cm}}$$

$$m\angle 4 = \underline{\hspace{1cm}}$$

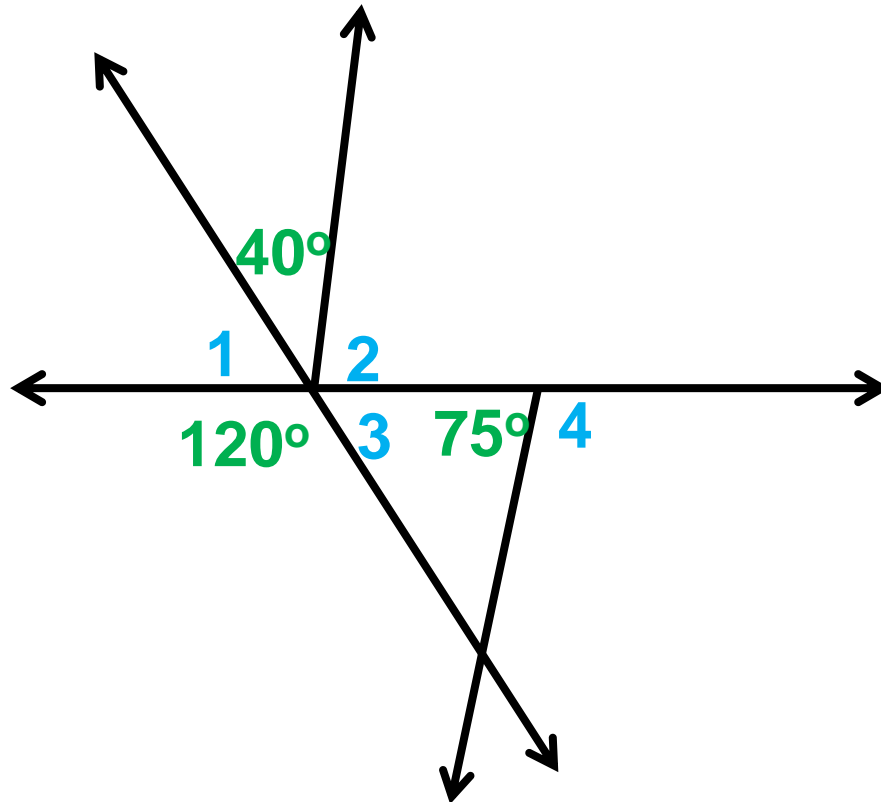
*****MAKE SURE YOUR DESK HAS:**

- One whiteboard
- One marker
- One eraser

NO MORE, NO LESS***

Warmup 2/ (#of faces on a cube)

- I. Find the measures of all marked angles in the diagram.



$$m\angle 1 = 60^\circ$$

$$m\angle 2 = 80^\circ$$

$$m\angle 3 = 60^\circ$$

$$m\angle 4 = 105^\circ$$

UPDATE:

- ▶ The Angles Quiz will now be Monday.



Check HW



Table of Contents (2nd Semester)

- p. 1 Exponent Basics (1.2)**
- p. 2 Multiplying and Dividing Powers (1.3)**
- p. 3 Power to a Power (1.4)**
- p. 4 Zero & Negative Exponents (1.5)**
- p. 5 Scientific Notation (1.6)**
- p. 6 Calculating with Scientific Notation (1.7)**
- p. 7 Angle Basics**
- p. 8 Angles formed by Parallel Lines (5.1)**

Angles formed by Parallel Lines

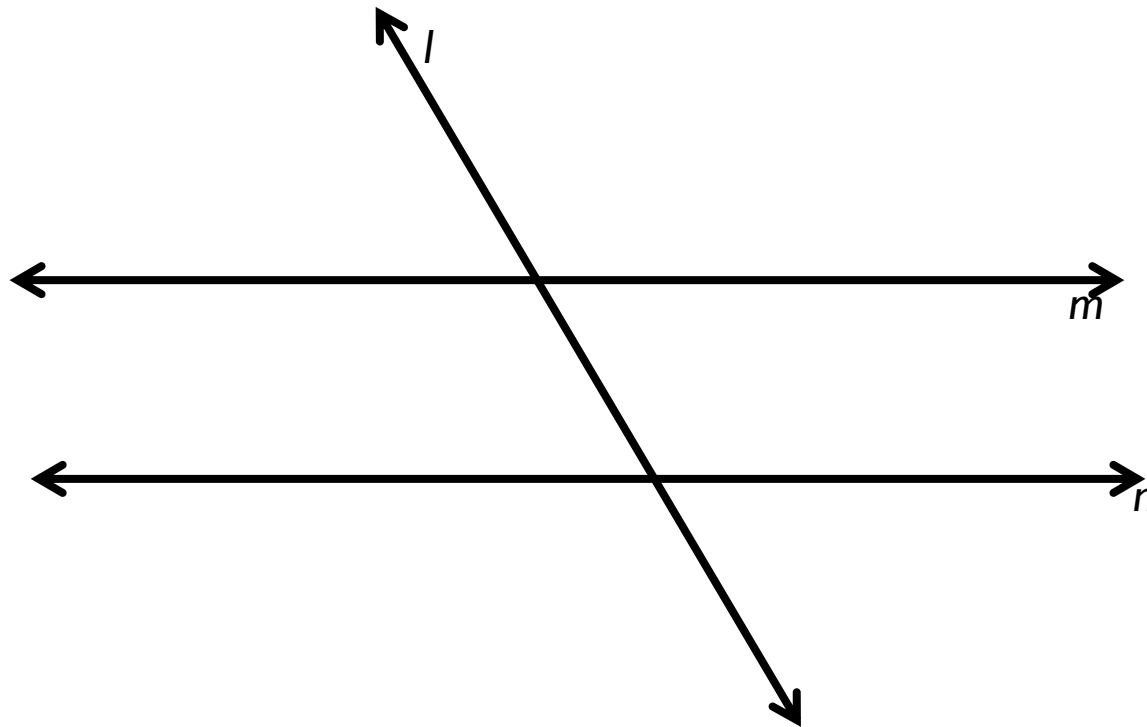
7

Objectives:

- Given one angle measure, find ALL angles formed by 2 parallel lines
- Identify special angle pairs
- Use special angle pair rules to find angle measures



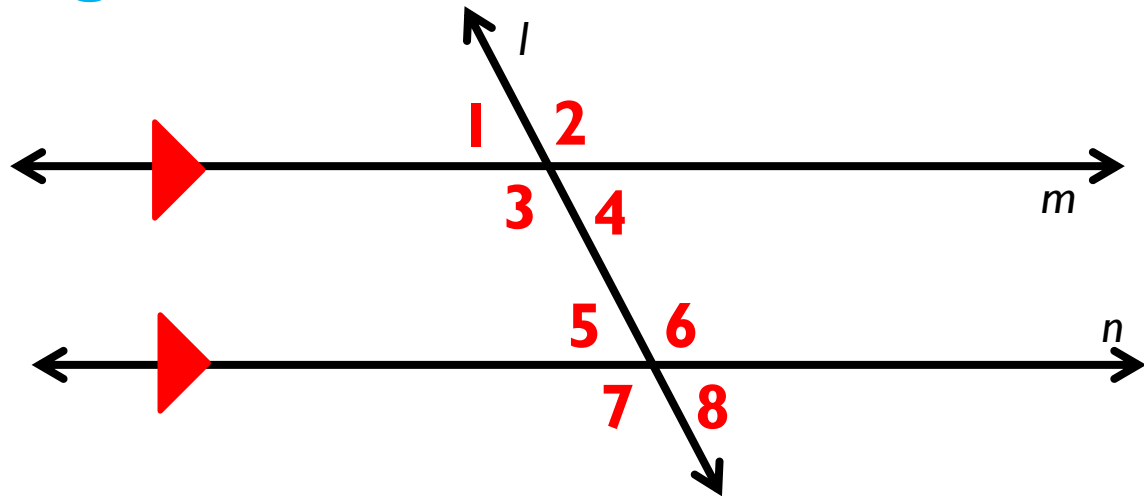
- How many angles are there?



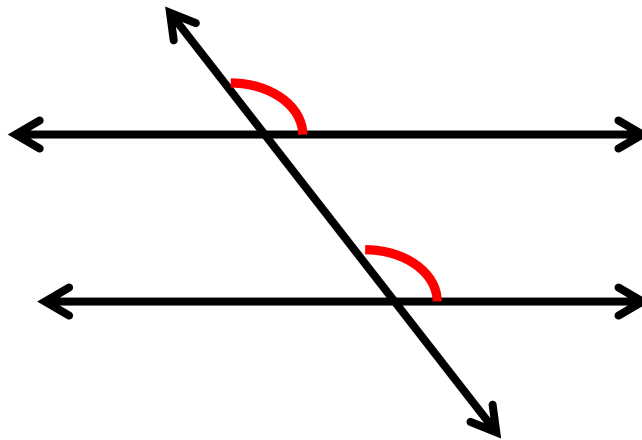
DISCUSS WITH YOUR GROUP:

- The red arrows mean that lines m and n are parallel. Suppose I give you the measure of angle 1. In your group, discuss the following question: how many OTHER angle measures, in addition to angle 1, is it possible to find? For the ones that are possible, how would you find them?
- I will call on **random** people to share what their group discussed.

If I know the measure of angle 1, how many more angle measures can I find? How?



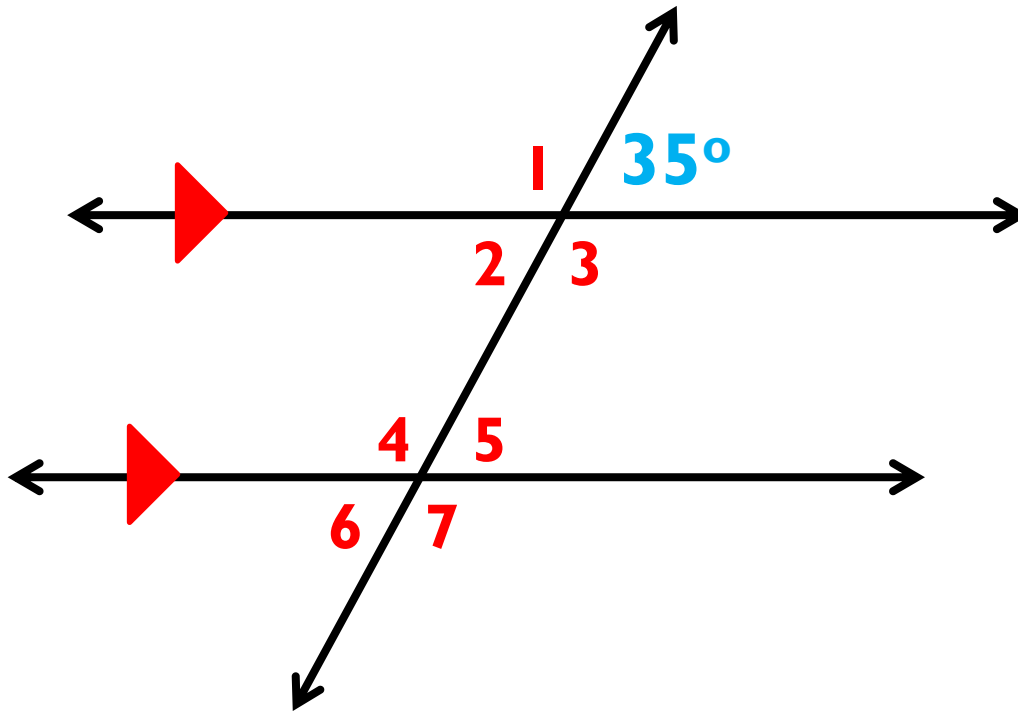
- Two angles that are in the same “position” but on different lines are called **corresponding**.



- If the lines are parallel, these angles will be congruent!!!

COPY the diagram!!!!

- One angle measure is given. Find the measures of **ALL** other angles.



$$m\angle 1 = 145^\circ$$

$$m\angle 2 = 35^\circ$$

$$m\angle 3 = 145^\circ$$

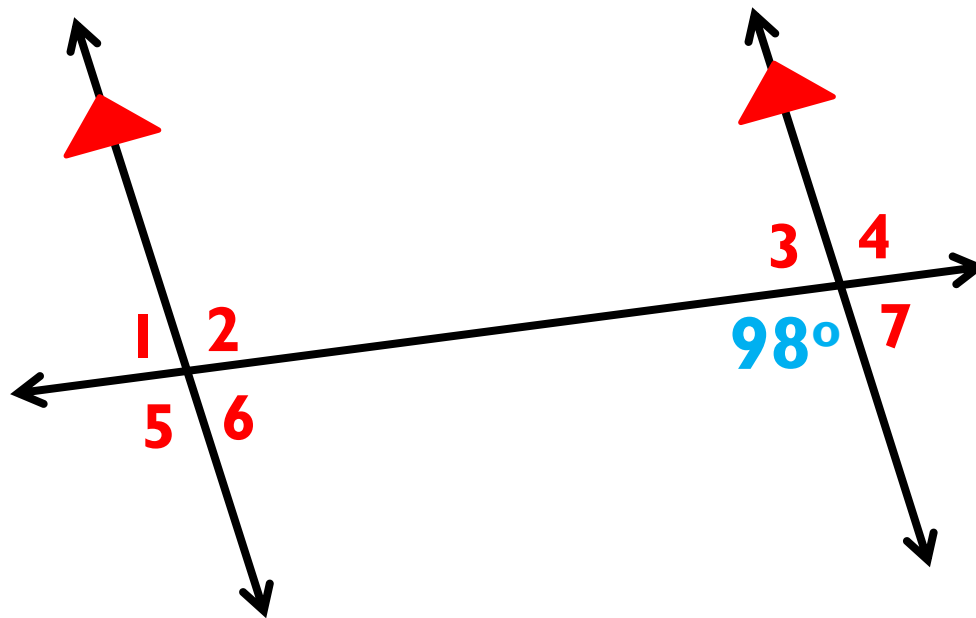
$$m\angle 4 = 145^\circ$$

$$m\angle 5 = 35^\circ$$

$$m\angle 6 = 35^\circ$$

$$m\angle 7 = 145^\circ$$

- One angle measure is given. On your whiteboard, find the measures of **ALL** other angles.



$$m\angle 1 = 82^\circ$$

$$m\angle 2 = 98^\circ$$

$$m\angle 3 = 82^\circ$$

$$m\angle 4 = 98^\circ$$

$$m\angle 5 = 98^\circ$$

$$m\angle 6 = 82^\circ$$

$$m\angle 7 = 82^\circ$$