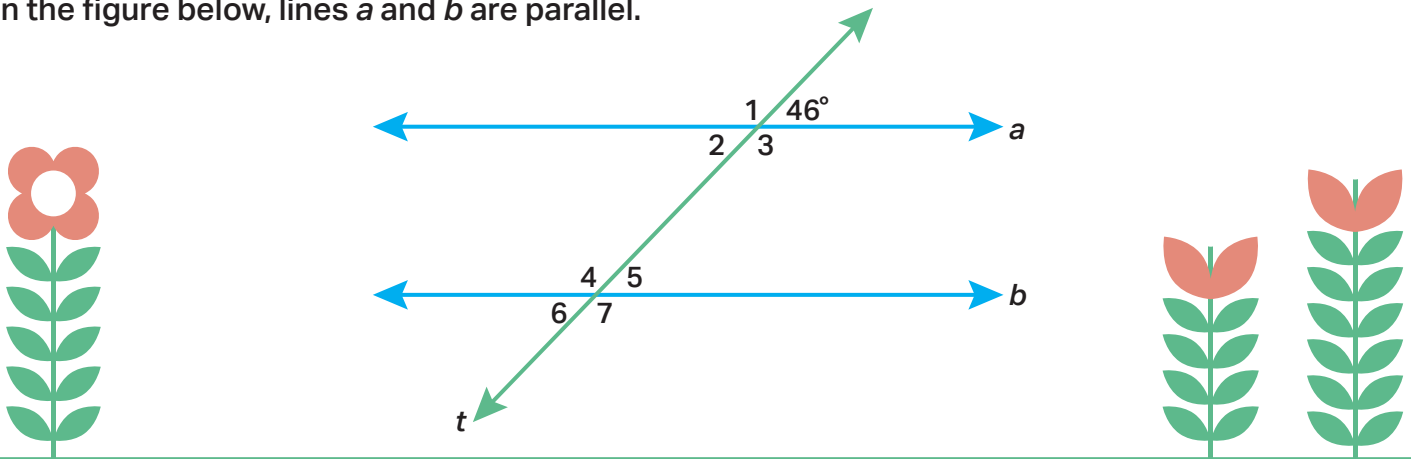


Transversals of Parallel Lines

In the figure below, lines a and b are parallel.



Using the figure above, determine if each statement is true or false. Circle your answers.

1. $\angle 3$ and $\angle 5$ are same-side interior angles. True False	2. $\angle 1$ and $\angle 7$ are alternate interior angles. True False
3. The measures of $\angle 2$ and $\angle 5$ add up to 180° . True False	4. $\angle 2$ and $\angle 4$ are congruent. True False
5. $\angle 2$ and $\angle 5$ are alternate interior angles. True False	6. The measure of $\angle 6$ is 46° . True False

Each statement below is false. Using the figure above, rewrite each statement to make it true by updating the underlined part. Some of the statements can be correctly updated in more than one way.

Answers may vary.

7. $\angle 1$ and <u>$\angle 6$</u> are corresponding angles. <u>$\angle 1$ and $\angle 4$ are corresponding angles.</u>	8. $\angle 3$ and <u>$\angle 5$</u> are congruent. <u>$\angle 3$ and $\angle 4$ are congruent.</u>
9. $\angle 3$ and <u>$\angle 4$</u> are supplementary. <u>$\angle 3$ and $\angle 5$ are supplementary.</u>	10. The measure of $\angle 4$ is <u>46°</u> . <u>The measure of $\angle 4$ is 134°.</u>