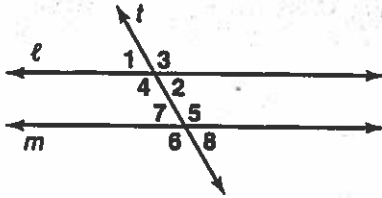


Practice 7-2

Angles and Parallel Lines

Identify each pair of angles as *vertical*, *adjacent*, *corresponding*, *alternate interior*, or *none of these*.



1. $\angle 7, \angle 5$

2. $\angle 1, \angle 2$

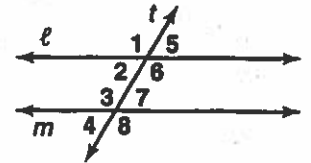
3. $\angle 1, \angle 7$

4. $\angle 4, \angle 7$

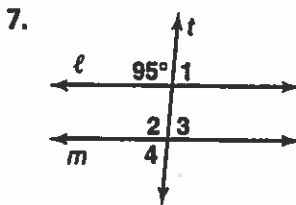
Use the diagram at the right for exercises 5 and 6.

5. Name four pairs of corresponding angles.

6. Name two pairs of alternate interior angles.



In each diagram below, $\ell \parallel m$. Find the measure of each numbered angle.

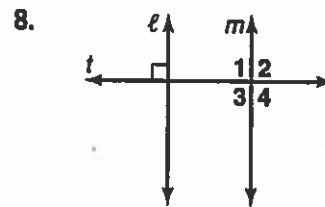


$m\angle 1 =$ _____

$m\angle 2 =$ _____

$m\angle 3 =$ _____

$m\angle 4 =$ _____



$m\angle 1 =$ _____

$m\angle 2 =$ _____

$m\angle 3 =$ _____

$m\angle 4 =$ _____

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Puzzle 7-2

Angles and Parallel Lines

For each statement below, circle the pair of angles that satisfies the description. The correct answers will spell out the solution to the puzzle at the bottom of the page.

1. corresponding angles

- S. $\angle 3$ and $\angle 6$
- T. $\angle 1$ and $\angle 5$

2. alternate anterior angles

- R. $\angle 3$ and $\angle 6$
- S. $\angle 1$ and $\angle 5$

3. corresponding angles

- A. $\angle 12$ and $\angle 16$
- B. $\angle 3$ and $\angle 6$

4. alternate interior angles

- M. $\angle 2$ and $\angle 6$
- N. $\angle 4$ and $\angle 5$

5. corresponding angles

- S. $\angle 11$ and $\angle 15$
- T. $\angle 4$ and $\angle 5$

6. alternate interior angles

- U. $\angle 3$ and $\angle 7$
- V. $\angle 10$ and $\angle 15$

7. corresponding angles

- E. $\angle 10$ and $\angle 14$
- F. $\angle 10$ and $\angle 15$

8. alternate interior angles

- R. $\angle 12$ and $\angle 13$
- S. $\angle 4$ and $\angle 8$

9. corresponding angles

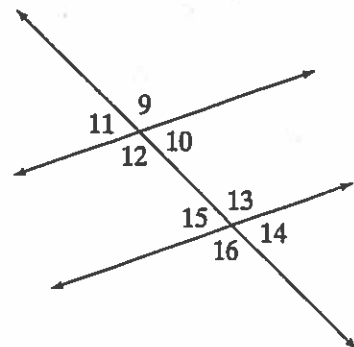
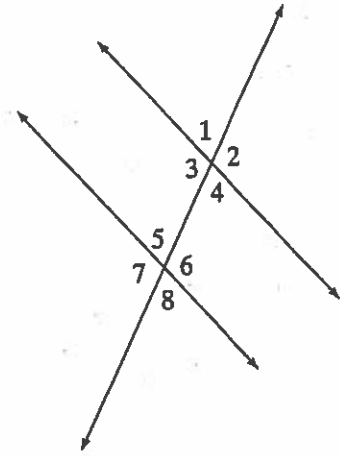
- R. $\angle 13$ and $\angle 12$
- S. $\angle 9$ and $\angle 13$

10. alternate interior angles

- A. $\angle 15$ and $\angle 10$
- B. $\angle 9$ and $\angle 13$

11. corresponding angles

- K. $\angle 15$ and $\angle 10$
- L. $\angle 4$ and $\angle 8$



What do you call a line that intersects two other lines at different points?
