

## Geometry 5.1a Worksheet Answers

1. Flight path of an airplane at O'Hare and I-90.
2. Kit-kat bar
3. Lines on a sheet of paper
4. Two sides of a floor tile meeting in the corner
5. Parallel lines
6. Perpendicular lines
7. Skew lines
8. Parallel planes
9. Perpendicular planes
10. Corresponding angles
11. Alternate exterior angles
12. None
13. Consecutive interior angles
14. Alternate exterior angles
15. Alternate interior angles
16. Sometimes
17. Never
18. Always
19. Always
20. OL is parallel to NV
21. NV is perpendicular to RT
22. Based on the markings provided, No. There are no arrows indicating these lines are parallel.
23. Yes. Since OL is parallel to NV and NV is perpendicular to RT, therefore OL is perpendicular to RT.
24. Drawing
25. Drawing
26. Drawing
27. Drawing
28.  $m\angle 1 = m\angle 5 = m\angle 7 = 71^\circ$ , Answers may vary  
 $m\angle 2 = m\angle 4 = m\angle 6 = m\angle 8 = 109^\circ$ , Answers may vary