

Module 7 Lesson 5

Try This 9 – 12 Possible Solutions

TT 9. The completed chart should look like the following.

	Intersecting Lines	Parallel Lines	Coincident Lines
Slopes	not equal	equal	equal
y-intercepts	may or may not be equal	not equal	equal

TT 10. The two tables give the same information with a slightly different organization.

TT 11. The student is required to work with a partner to complete these questions. Look for evidence that the student has collaborated with a partner.

- If the lines have unequal slopes, the lines will intersect at only one point and, therefore, only have one solution.
- Two lines with the same slope could have no solutions (parallel) or infinitely many solutions (coincident).
- Two lines could intersect at their y-intercepts. In this case, there is only one solution. Two lines with the same y-intercept could be coincident lines that have infinitely many solutions.

TT 12. The following is a possible flow chart that the student might create:

