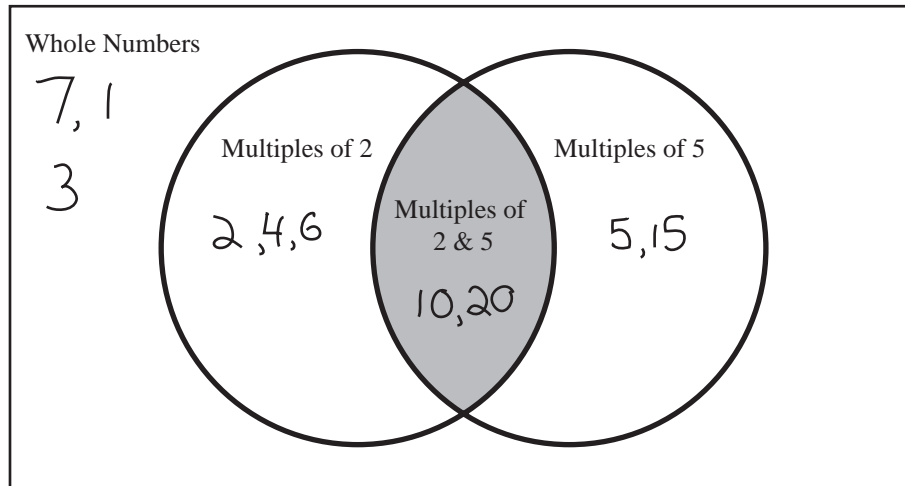


COUNTDOWN CHALLENGE

Common Multiples: *Instructional*

This Venn diagram shows how Paddy is placing some numbers. Paddy has already placed 2, 4, 6, 5, 10, 15, 20, 1, 3 and 7.



Place the following numbers into the correct spaces of the Venn diagram: 8, 12, 14, 25, 35, 30, 40, 49, 51. Use words, symbols or diagrams to solve the problem. Also, explain in words the steps you took to solve the problem and why you took those steps.

1. What do you see?
2. What are the multiples of 2 and 5?
3. Can you predict what other numbers might go into the shaded area?
4. What numbers go outside the circles?
5. Can you predict any other numbers that should go outside the circles?
6. Can you predict what the problem will ask you to do?
7. Read the problem.

First I studied the diagram because _____

Second I read the problem because _____

Next, I placed 8, 12, and 14 in the circle marked "Multiples of 2" because _____

Next I placed 25 and 35 in the circle marked "Multiples of 5" because _____

Next I placed 30 and 40 in the shaded part of both circles because _____

Then, I placed 49 and 51 outside the circles because _____

Finally, I checked my work because I wanted to receive all 12 points for my work.