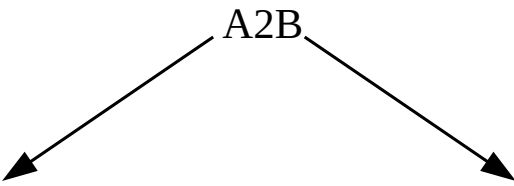


1. Solve equations in your notebooks:

$120 - 7x = 57$                        $(y + 7) \cdot 9 = 117$

2. List all 3-digit numbers **A2B** divisible by 3 and by 5.



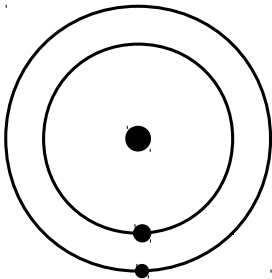
3. Use Venn Diagram to indicate which of the following numbers is divisible by 3, 5, 9:

275, 531, 135, 202, 945, 132, 363, 105

	275	531	135	202	945	132	363	105
3								
5								
9								

**Factor diagrams, Common Multiples, Common Divisors.**

4. Pandora and Aurora revolve around their common sun in 18 days and 15 days respectively. How often do the both return to the same locations?



## 5. Make Venn Diagram to find LCM and GCD of ...

a). ... 15 and 12;

15 = \_\_\_\_\_

12 = \_\_\_\_\_

b). ... 25 and 10;

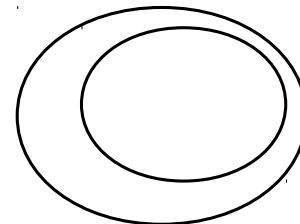
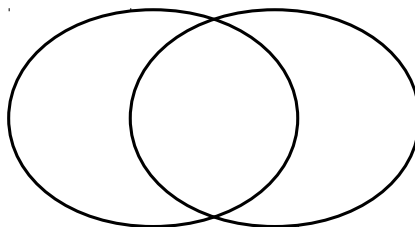
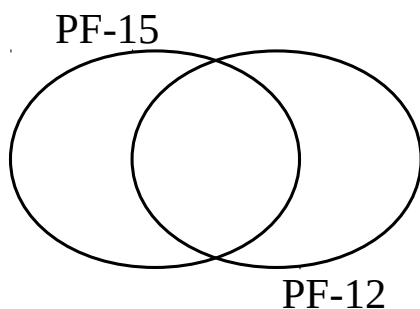
25 = \_\_\_\_\_

10 = \_\_\_\_\_

c). ... 10 and 40;

10 = \_\_\_\_\_

40 = \_\_\_\_\_



d). ... 16 and 25;

16 = \_\_\_\_\_

25 = \_\_\_\_\_

e). ... 27 and 15

27 = \_\_\_\_\_

15 = \_\_\_\_\_

## 6. Additional Problems:

Planet	Year duration	Planet	Year duration
Mercury	87 days	Mars	687 days
Venus	225 days	Earth	365 days

How long will it take both Earth and Venus to return to the same positions?

How many revolution does Earth make in this time?