

1. Make a Venn diagram for sets $\mathbf{A} = \{1, 3, 5, 7, 9\}$ and $\mathbf{B} = \{1, 2, 3, 4, 5\}$.

$$\mathbf{A} \cap \mathbf{B} = \underline{\hspace{10em}}$$

$$\mathbf{A} \cup \mathbf{B} = \underline{\hspace{10em}}$$

2. Use prime factor Venn diagrams to find GCD and LCM of ...

a). ... 24 and 28;

b). ... 24 and 60;

c). ... 90 and 630.

$$24 = \underline{\hspace{10em}}$$

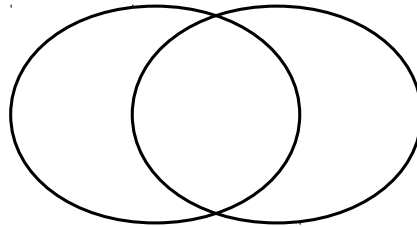
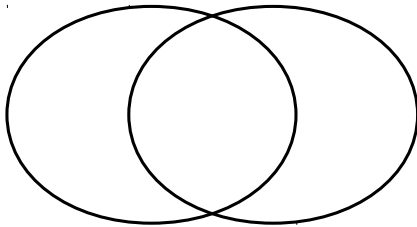
$$24 = \underline{\hspace{10em}}$$

$$90 = \underline{\hspace{10em}}$$

$$28 = \underline{\hspace{10em}}$$

$$60 = \underline{\hspace{10em}}$$

$$630 = \underline{\hspace{10em}}$$



3. Use the distributive property of multiplication to remove parenthesis:

$$3 \cdot (x + 3) = \underline{\hspace{10em}}$$

$$5 \cdot (7 + 2x) = \underline{\hspace{10em}}$$

$$4 \cdot (2x - 3) = \underline{\hspace{10em}}$$

$$7 \cdot (3y + 8) = \underline{\hspace{10em}}$$

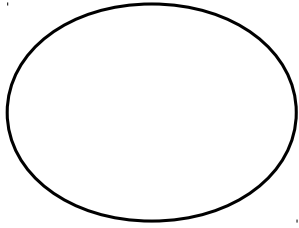
$$(5x - 7) \cdot 6 = \underline{\hspace{10em}}$$

$$3 \cdot (4y + w) = \underline{\hspace{10em}}$$

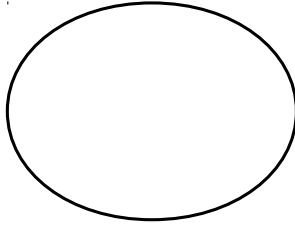
$$(2y - 5x + 4) \cdot 9 = \underline{\hspace{10em}}$$

4. Use prime factorization of the numbers below to analyze their composite factors:

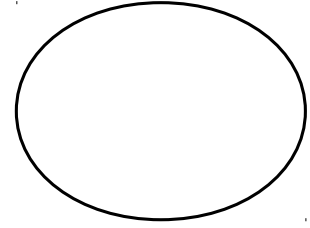
$60 = \underline{\hspace{2cm}}$



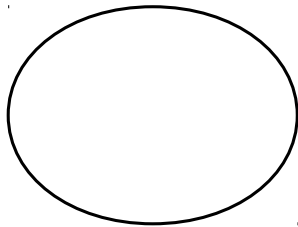
$72 = \underline{\hspace{2cm}}$



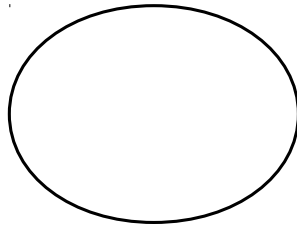
$98 = \underline{\hspace{2cm}}$



$801 = \underline{\hspace{2cm}}$



$48 = \underline{\hspace{2cm}}$



5. Analyze the clock game problem from HW #3.

6. Review cm, dm, mm using the notebook cover.

$1 \text{ dm} = \underline{\hspace{1cm}} \text{ cm}$

$1 \text{ dm}^2 = \underline{\hspace{1cm}} \text{ cm}^2$

$1 \text{ dm}^3 = \underline{\hspace{1cm}} \text{ cm}^3$

$1 \text{ m} = \underline{\hspace{1cm}} \text{ dm}$

$1 \text{ m}^2 = \underline{\hspace{1cm}} \text{ dm}^2$

$1 \text{ m}^3 = \underline{\hspace{1cm}} \text{ dm}^3$

$1 \text{ m} = \underline{\hspace{1cm}} \text{ cm}$

$1 \text{ m}^2 = \underline{\hspace{1cm}} \text{ cm}^2$

$1 \text{ m}^3 = \underline{\hspace{1cm}} \text{ cm}^3$

$1 \text{ cm} = \underline{\hspace{1cm}} \text{ mm}$

$1 \text{ cm}^2 = \underline{\hspace{1cm}} \text{ mm}^2$

$1 \text{ cm}^3 = \underline{\hspace{1cm}} \text{ mm}^3$

7. Point locator

- Find all points located 5 cm from point X .
- Find all points located 6 cm from point Y .
- Label all points located 5 cm from point X and 6 cm from point Y .

 X Y

9. Plot triangle $\triangle ABC$ such that $|AC| = 4$ cm, $|BC| = 5$ cm, record your algorithm.

1. _____

2. _____

3. _____

4. _____

 A B