Name: _____ Period: _____ Date: _____

The Meaning of Factors Assignment – Teacher Edition   **Math 3**
Part A: Part A:

For each item, encircle the letter that best answers the situation.

|			
1. Which is not a factor of 27? A. 1 B. 27 C. 13 ⭕ D. 3	2. Which is a factor of 13? A. 12 B. 6 C. 2 D. 13 ⭕	3. Which does not solve for 20? A. 4 x 5 B. 3 x 6 ⭕ C. 1 x 20 D. 10 x 2	4. Which does not solve for 36? A. 9 x 5 ⭕ B. 4 x 9 C. 36 x 1 D. 6 x 6
5. Which is a factor of 30? A. 7 B. 8 C. 6 ⭕ D. 4	6. Which does not solve for 42? A. 21 x 2 B. 7 x 6 C. 6 x 7 D. 15 x 3 ⭕	7. Which solves for 45? A. 8 x 5 B. 9 x 5 ⭕ C. 13 x 4 D. 15 x 2	8. Which does not solve for 24? A. 3 x 7 ⭕ B. 8 x 3 C. 6 x 4 D. 1 x 24
9. Which is a factor of 18? A. 4 B. 5 C. 1 ⭕ D. 7	10. Which is a factor of 72? A. 8 ⭕ B. 7 C. 5 D. 13	11. Which is not a factor of 21? A. 1 B. 8 ⭕ C. 7 D. 3	12. Which does not solve for 32? A. 1 x 32 B. 2 x 16 C. 4 x 9 ⭕ D. 8 x 4
13. Which is 7 not a factor of? A. 17 ⭕ B. 21 C. 14 D. 35	14. Which is 8 not a factor of? A. 8 B. 23 ⭕ C. 24 D. 32	15. Which is a factor of 48? A. 9 B. 25 C. 5 D. 8 ⭕	16. Which is 9 a factor of? A. 12 B. 20 C. 63 ⭕ D. 29

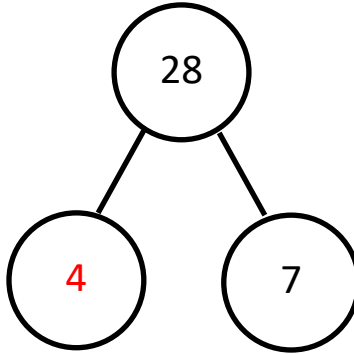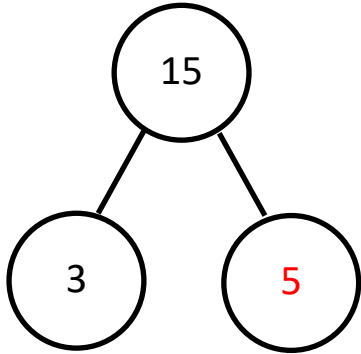# The Meaning of Factors Assignment – Teacher Edition   **Math 3**

Part B:

Fill in the empty circle with the correct number to complete the trio.

Trio	Top	Left	Right
1	15	3	5
2	28	4	7
3	14	2	7
4	24	2	12
5	36	6	6
6	45	5	9
7	35	5	7
8	48	8	6
9	72	9	8
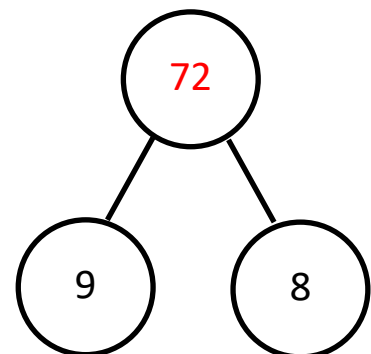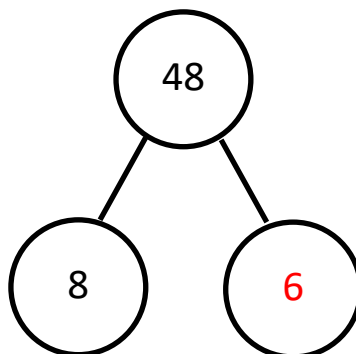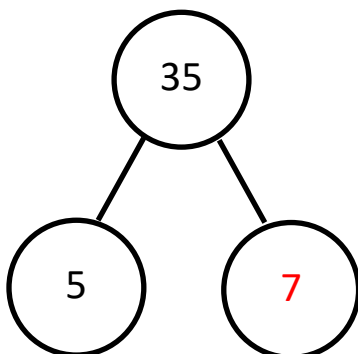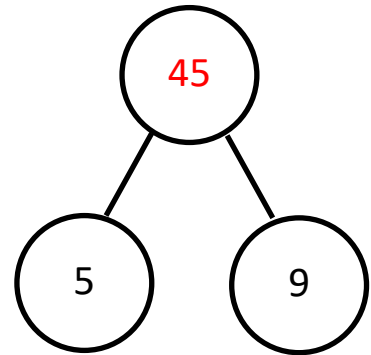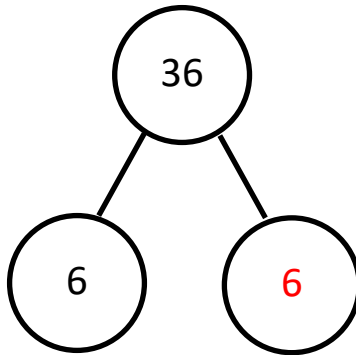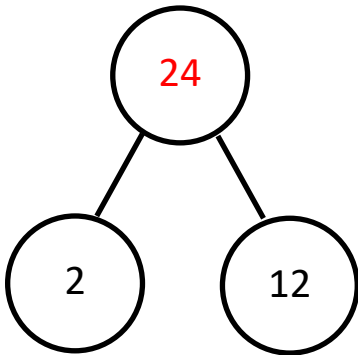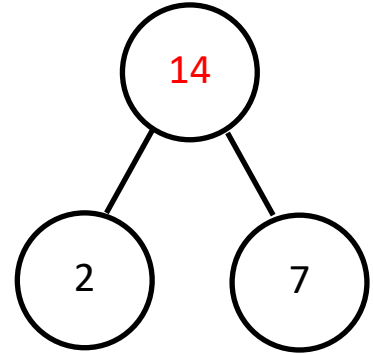
The Meaning of Factors Assignment – Teacher Edition   **Math 3**

Part C:

List down all the factors of the following numbers.

1. 18

1, 2, 3, 6, 9, 18

2. 54

1, 2, 3, 6, 9, 18, 27, 54

3. 72

1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72

4. 55

1, 5, 11, 55

5. 50

1, 2, 5, 10, 25, 50

6. 12

1, 2, 3, 4, 6, 12

7. 36

1, 2, 3, 4, 6, 9, 12, 18, 36

8. 42

1, 2, 3, 6, 7, 14, 21, 42

9. 63

1, 3, 7, 9, 21, 63

The Meaning of Factors Assignment – Teacher Edition   **Math 3**

Part D:

Identify the unknown values. Then, determine the secret message by matching the answer to its corresponding letter.

1. 4 x A = 16 A = 4
2. E x 19 = 19 E = 1
3. Y x 8 = 40 Y = 5
4. 2 x U = 6 U = 3
5. 6 x S = 36 S = 6
6. O x 7 = 56 O = 8
7. R x 14 = 28 R = 2
8. 3 x W = 21 W = 7
9. M x 6 = 54 M = 9

Y	O	U
5	8	3

A	R	E
4	2	1

A	W	E	S	O	M	E
4	7	1	6	8	9	1

Never forget that!