**Part A: Part A:**

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

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

**Part B:**

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

**Part C:**

List down all the factors of the following numbers.

1. 18

1, 2, 3, 6, 9, 18

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1. 54

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

1. 72

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

1. 55

1, 5, 11, 55

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1. 50

1, 2, 5, 10, 25, 50

­­­

1. 12

1, 2, 3, 4, 6, 12

­­­

1. 36

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

1. 42

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

1. 63

1, 3, 7, 9, 21, 63

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**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!