

What is a factor?

A factor is a number that will divide into a number exactly.

What are the factors of 24?

1 x 24

2 x 12

3 x 8

4 x 6

~~5 x 2~~ won't work, 5 isn't a factor

6 x 4 we can now stop because we already have 4 and 6 so we have all the factors.

Factors of 24 are 1, 2, 3, 4, 6, 8, 12, 24

What is a multiple?

Multiples are really just your multiplication tables.

What are the multiples of 3?

3, 6, 9, 12 ...

Exercise 1: Find all the factors of:

1. 20 **1, 2, 4, 5, 10, 20**

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

3. 50 **1, 2, 5, 10, 25, 50**

4. 32 **1, 2, 4, 8, 16, 32**

5. 28 **1, 2, 4, 7, 14, 28**

6. 44 **1, 2, 4, 11, 22, 44**

7. 27 **1, 3, 9, 27**

8. 42 **1, 2, 3, 6, 7, 14, 21, 42**

Exercise 2: Give the first four multiples of:

1. 7 **7, 14, 21, 28**

2. 10 **10, 20, 30, 40**

3. 6 **6, 12, 18, 24**

4. 8 **8, 16, 24, 32**

5. 20 **20, 40, 60, 80**

6. 11 **11, 22, 33, 44**

7. 12 **12, 24, 36, 48**

8. 25 **25, 50, 75, 100**