

MATH · GRADE 6

Prime Numbers and Factors

Build factor trees

Definitions

A **FACTOR** of a number divides it exactly with no remainder. A **PRIME** number has exactly two factors: 1 and itself. The smallest prime is 2 (the only even prime). Numbers that are not prime are called **COMPOSITE**.

Section A — List the factors

1. Factors of 12 =
2. Factors of 18 =
3. Factors of 24 =
4. Factors of 30 =
5. Factors of 36 =
6. Factors of 48 =

Section B — Prime or composite?

1. Is 17 prime or composite?
2. Is 21 prime or composite?
3. Is 29 prime or composite?
4. Is 51 prime or composite?
5. List all prime numbers between 1 and 20.



Section C — Build a factor tree for...

1. 24

2. 36

3. 60

4. 84

