

Prime Factorization (of composite numbers up to 100)

$$4 = 2 \cdot 2 = 2^2$$

$$6 = 2 \cdot 3$$

$$8 = 2 \cdot 2 \cdot 2 = 2^3$$

$$9 = 3 \cdot 3 = 3^2$$

$$10 = 2 \cdot 5$$

$$12 = 2 \cdot 2 \cdot 3 = 2^2 \cdot 3$$

$$14 = 2 \cdot 7$$

$$15 = 3 \cdot 5$$

$$16 = 2 \cdot 2 \cdot 2 \cdot 2 = 2^4$$

$$18 = 2 \cdot 3 \cdot 3 = 2 \cdot 3^2$$

$$20 = 2 \cdot 2 \cdot 5 = 2^2 \cdot 5$$

$$21 = 3 \cdot 7$$

$$22 = 2 \cdot 11$$

$$24 = 2 \cdot 2 \cdot 2 \cdot 3 = 2^3 \cdot 3$$

$$25 = 5 \cdot 5 = 5^2$$

$$26 = 2 \cdot 13$$

$$27 = 3 \cdot 3 \cdot 3 = 3^3$$

$$28 = 2 \cdot 2 \cdot 7 = 2^2 \cdot 7$$

$$30 = 2 \cdot 3 \cdot 5$$

$$32 = 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 = 2^5$$

$$33 = 3 \cdot 11$$

$$34 = 2 \cdot 17$$

$$35 = 5 \cdot 7$$

$$36 = 2 \cdot 2 \cdot 3 \cdot 3 = 2^2 \cdot 3^2$$

$$38 = 2 \cdot 19$$

$$39 = 3 \cdot 13$$

$$40 = 2 \cdot 2 \cdot 2 \cdot 5 = 2^3 \cdot 5$$

$$42 = 2 \cdot 3 \cdot 7$$

$$44 = 2 \cdot 2 \cdot 11 = 2^2 \cdot 11$$

$$45 = 3 \cdot 3 \cdot 5 = 3^2 \cdot 5$$

$$46 = 2 \cdot 23$$

$$48 = 2 \cdot 2 \cdot 2 \cdot 2 \cdot 3 = 2^4 \cdot 3$$

$$49 = 7 \cdot 7 = 7^2$$

$$50 = 2 \cdot 5 \cdot 5 = 2 \cdot 5^2$$

$$51 = 3 \cdot 17$$

$$52 = 2 \cdot 2 \cdot 13 = 2^2 \cdot 13$$

$$54 = 2 \cdot 3 \cdot 3 \cdot 3 = 2 \cdot 3^3$$

$$55 = 5 \cdot 11$$

$$56 = 2 \cdot 2 \cdot 2 \cdot 7 = 2^3 \cdot 7$$

$$57 = 3 \cdot 19$$

$$58 = 2 \cdot 29$$

$$60 = 2 \cdot 2 \cdot 3 \cdot 5 = 2^2 \cdot 3 \cdot 5$$