

Prime Factorization

Name: _____ Score: _____

Find the prime factors of the following numbers.

$50 =$ _____

$22 =$ _____

$66 =$ _____

$42 =$ _____

$72 =$ _____

$48 =$ _____

$45 =$ _____

$60 =$ _____

$36 =$ _____

$64 =$ _____



$30 =$ _____

$25 =$ _____

$24 =$ _____

$16 =$ _____

$75 =$ _____

$28 =$ _____

$100 =$ _____

$59 =$ _____

Answers

Find the prime factors of the following numbers.

$$50 = \underline{2 \times 5 \times 5}$$

$$22 = \underline{2 \times 11}$$

$$66 = \underline{2 \times 3 \times 11}$$

$$42 = \underline{2 \times 3 \times 7}$$

$$72 = \underline{2 \times 2 \times 2 \times 3 \times 3}$$

$$48 = \underline{2 \times 2 \times 2 \times 2 \times 3}$$

$$45 = \underline{3 \times 3 \times 5}$$

$$60 = \underline{2 \times 2 \times 3 \times 5}$$

$$36 = \underline{2 \times 2 \times 3 \times 3}$$

$$64 = 2 \times 2 \times 2 \times 2 \times 2 \times 2$$



$$30 = \underline{2 \times 3 \times 5}$$

$$25 = \underline{5 \times 5}$$

$$24 = \underline{2 \times 2 \times 2 \times 3}$$

$$16 = \underline{2 \times 2 \times 2 \times 2}$$

$$75 = \underline{3 \times 5 \times 5}$$

$$28 = \underline{2 \times 2 \times 7}$$

$$100 = \underline{2 \times 2 \times 5 \times 5}$$

$$59 = \text{PRIME}$$