

# Prime Factorization

Name: \_\_\_\_\_ Score: \_\_\_\_\_

Find the prime factors of the following numbers.

$80 =$  \_\_\_\_\_

$39 =$  \_\_\_\_\_

$63 =$  \_\_\_\_\_

$45 =$  \_\_\_\_\_

$76 =$  \_\_\_\_\_

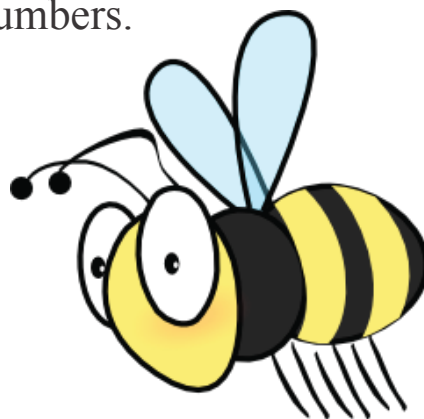
$42 =$  \_\_\_\_\_

$40 =$  \_\_\_\_\_

$100 =$  \_\_\_\_\_

$32 =$  \_\_\_\_\_

$88 =$  \_\_\_\_\_



$50 =$  \_\_\_\_\_

$75 =$  \_\_\_\_\_

$28 =$  \_\_\_\_\_

$12 =$  \_\_\_\_\_

$66 =$  \_\_\_\_\_

$20 =$  \_\_\_\_\_

$54 =$  \_\_\_\_\_

$37 =$  \_\_\_\_\_

# Answers

Find the prime factors of the following numbers.

$$80 = \underline{2 \times 2 \times 2 \times 2 \times 5}$$

$$39 = \underline{3 \times 13}$$

$$63 = \underline{3 \times 3 \times 7}$$

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

$$76 = \underline{2 \times 2 \times 19}$$

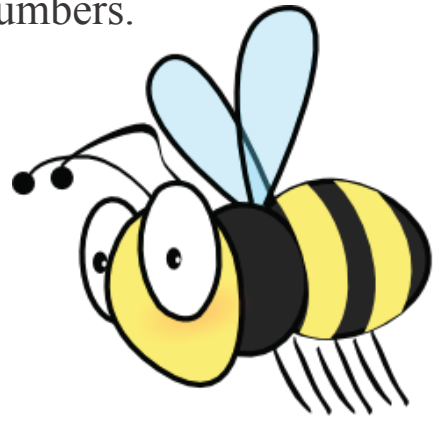
$$42 = \underline{2 \times 3 \times 7}$$

$$40 = \underline{2 \times 2 \times 2 \times 5}$$

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

$$32 = \underline{2 \times 2 \times 2 \times 2 \times 2}$$

$$88 = \underline{2 \times 2 \times 2 \times 11}$$



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

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

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

$$12 = \underline{2 \times 2 \times 3}$$

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

$$20 = \underline{2 \times 2 \times 5}$$

$$54 = \underline{2 \times 3 \times 3 \times 3}$$

$$37 = \underline{\text{PRIME}}$$