Name : _____

Score : _____ Date : _____

MATH MONKS

Prime Factorization Worksheet

Factor the given numbers to their prime factors. Then state if each number is prime.

1) 46 = _____

2) 67 = _____

3) 9 = _____

4) 2 = _____

5) 4 = _____

6) 80 = _____

7) 40 = _____

8) 76 = _____

9) 27 = _____

10) 16 = _____

11) 25 = _____

12) 21 = _____

13) 18 = _____

14) 22 = _____

15) 30 = _____

16) 39 = _____

17) 55 = _____

18) 53 = _____

19) 47 = _____

20) 32 = _____

Name : _____

Score : _____ Date : _____

MATH MONKS

Prime Factorization Worksheet

Answer

1) 46 = 2 × 23, No

2) 67 = 67, Yes

3) 9 = 3 × 3, No

4) 2 = 2, Yes

5) 4 = 2 × 2, No

6) 80 = 2 × 2 × 2 × 2 × 5, No

7) 40 = 2 × 2 × 2 × 5, No

8) 76 = 2 × 2 × 19, No

9) 27 = 3 × 3 × 3, No

10) 16 = 2 × 2 × 2 × 2, No

11) 25 = 5 × 5, No

12) 21 = 3 × 7, No

13) 18 = 2 × 3 × 3, No

14) 22 = 2 × 11, No

15) 30 = 2 × 3 × 5, No

16) 39 = 3 × 13, No

17) 55 = 5 × 11, No

18) 53 = 53, Yes

19) 47 = 47, Yes

20) 32 = 2 × 2 × 2 × 2 × 2, No