

Name

Date



PRIME FACTORIZATION SHEET 1

Write out the prime factorization for each number.

Example: $12 = 2 \times 2 \times 3$

1) 33 =

2) 25 =

3) 14 =

4) 8 =

5) 20 =

6) 30 =

7) 18 =

8) 24 =

9) 27 =

10) 44 =

11) 50 =

12) 35 =

13) 45 =

14) 60 =

15) 32 =

16) 42 =

17) 48 =

18) 54 =

19) 36 =

20) 80 =

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PRIME FACTORIZATION SHEET 1 ANSWERS

Write out the prime factorization for each number.

1) $33 = \underline{3 \times 11}$

2) $25 = \underline{5 \times 5}$

3) $14 = \underline{2 \times 7}$

4) $8 = \underline{2 \times 2 \times 2}$

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

6) $30 = \underline{2 \times 3 \times 5}$

7) $18 = \underline{2 \times 3 \times 3}$

8) $24 = \underline{2 \times 2 \times 2 \times 3}$

9) $27 = \underline{3 \times 3 \times 3}$

10) $44 = \underline{2 \times 2 \times 11}$

11) $50 = \underline{2 \times 5 \times 5}$

12) $35 = \underline{5 \times 7}$

13) $45 = \underline{3 \times 3 \times 5}$

14) $60 = \underline{2 \times 2 \times 3 \times 5}$

15) $32 = \underline{2 \times 2 \times 2 \times 2 \times 2}$

16) $42 = \underline{2 \times 3 \times 7}$

17) $48 = \underline{2 \times 2 \times 2 \times 2 \times 3}$

18) $54 = \underline{2 \times 3 \times 3 \times 3}$

19) $36 = \underline{2 \times 2 \times 3 \times 3}$

20) $80 = \underline{2 \times 2 \times 2 \times 2 \times 5}$
