Rewriting Factors as Squares

Name:

Rewrite the factors listed as an expression with a power of two.

1) 2×17×17

2) 3×3×5

3) 2×3×5×5×5

4) 2×2×2×2×2×2×2×5

5) 5×5×19

6) 2×2×3×73

7) 7×11×11

8) 3×3×3

9) 3×3×5×7

10) 2×2×2×2×31

11) 2×2

12) 3×3×3×13

13) 2×2×3×71

14) 2×2×61

15) 2×2×83

16) 2×2×2×5

17) 2×2×7×19

18) 3×3×3

19) 2×2×2×2×2×2×7

20) 7×7×17

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Rewriting Factors as Squares

Name: **Answer Key**

Rewrite the factors listed as an expression with a power of two.

1) 2×17×17

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3) 2×3×5×5×5

4) 2×2×2×2×2×2×2×5

5) 5×5×19

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10) 2×2×2×2×31

11) 2×2

12) 3×3×3×13

13) 2×2×3×71

14) 2×2×61

15) 2×2×83

16) 2×2×2×5

17) 2×2×7×19

18) 3×3×3

19) 2×2×2×2×2×7

20) 7×7×17

Answers

1. $17^2 \times 2$
2. $3^2 \times 5$
3. $5^2 \times 30$
4. $8^2 \times 10$
5. $5^2 \times 19$
6. $2^2 \times 219$
7. $11^2 \times 7$
8. $3^2 \times 3$
9. $3^2 \times 35$
10. $4^2 \times 31$
11. 2^2
12. $3^2 \times 39$
13. $2^2 \times 213$
14. $2^2 \times 61$
15. $2^2 \times 83$
16. $2^2 \times 10$
17. $2^2 \times 133$
18. $3^2 \times 3$
19. $4^2 \times 14$
20. $7^2 \times 17$

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0