Name: _____ Date: _____

Meaning Of Exponents - Medium

Write each power as repeated multiplication. Then find its value.

1. 12^2

2. 2^4

3. 11^2

4. 10^4

5. 5^3

6. 10^2

7. 9^2

8. 5^2

9. 3^3

10. 2^5

Name: _____ Date: _____

Meaning Of Exponents - Medium

Write each power as repeated multiplication. Then find its value.

11. 3^4

12. 1^6

13. 2^3

14. 4^2

15. 3^2

16. 6^3

17. 4^3

18. 2^2

19. 8^2

20. 7^2

Meaning Of Exponents - Medium - Answer Key

1. 12^2
   $12 \times 12 = 144$

2. 2^4
   $2 \times 2 \times 2 \times 2 = 16$

3. 11^2
   $11 \times 11 = 121$

4. 10^4
   $10 \times 10 \times 10 \times 10 = 10{,}000$

5. 5^3
   $5 \times 5 \times 5 = 125$

6. 10^2
   $10 \times 10 = 100$

7. 9^2
   $9 \times 9 = 81$

8. 5^2
   $5 \times 5 = 25$

9. 3^3
   $3 \times 3 \times 3 = 27$

10. 2^5
    $2 \times 2 \times 2 \times 2 \times 2 = 32$

Meaning Of Exponents - Medium - Answer Key

11. 3^4

$3 \times 3 \times 3 \times 3 = 81$

12. 1^6

$1 \times 1 \times 1 \times 1 \times 1 \times 1 = 1$

13. 2^3

$2 \times 2 \times 2 = 8$

14. 4^2

$4 \times 4 = 16$

15. 3^2

$3 \times 3 = 9$

16. 6^3

$6 \times 6 \times 6 = 216$

17. 4^3

$4 \times 4 \times 4 = 64$

18. 2^2

$2 \times 2 = 4$

19. 8^2

$8 \times 8 = 64$

20. 7^2

$7 \times 7 = 49$