Rewriting Logarithms

Name:

Date:

Rewrite each in equation in exponential form.

1) $\log_{11} 121 = 2$

2) $\log_{9} 81 = 2$

3) $\log_{7} 49 = 2$

4) $\log_{6} 216 = 3$

5) $\log_{12} 144 = 2$

6) $\log_{20} 400 = 2$

7) $\log_{5} 125 = 3$

8) $\log_{3} 81 = 4$

9) $\log_{2} 4 = 2$

10) $\log_{2} 8 = 3$

11) $\log_{4} 16 = 2$

12) $\log_{2} 32 = 5$

13) $\log_{18} 324 = 2$

14) $\log_{3} 27 = 3$

15) $\log_{14} 196 = 2$

16) $\log_{3} 243 = 5$

17) $\log_{17} 289 = 2$

18) $\log_{13} 169 = 2$

19) $\log_{5} 625 = 4$

20) $\log_{6} 36 = 2$

21) $\log_{10} 100 = 2$

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Rewriting Logarithms

Name:

Date:

Answers

Rewrite each in equation in exponential form.

1) $\log_{11} 121 = 2$
$11^2 = 121$

2) $\log_9 81 = 2$
$9^2 = 81$

3) $\log_7 49 = 2$
$7^2 = 49$

4) $\log_6 216 = 3$
$6^3 = 216$

5) $\log_{12} 144 = 2$
$12^2 = 144$

6) $\log_{20} 400 = 2$
$20^2 = 400$

7) $\log_5 125 = 3$
$5^3 = 125$

8) $\log_3 81 = 4$
$3^4 = 81$

9) $\log_2 4 = 2$
$2^2 = 4$

10) $\log_2 8 = 3$
$2^3 = 8$

11) $\log_4 16 = 2$
$4^2 = 16$

12) $\log_2 32 = 5$
$2^5 = 32$

13) $\log_{18} 324 = 2$
$18^2 = 324$

14) $\log_3 27 = 3$
$3^3 = 27$

15) $\log_{14} 196 = 2$
$14^2 = 196$

16) $\log_3 243 = 5$
$3^5 = 243$

17) $\log_{17} 289 = 2$
$17^2 = 289$

18) $\log_{13} 169 = 2$
$13^2 = 169$

19) $\log_5 625 = 4$
$5^4 = 625$

20) $\log_6 36 = 2$
$6^2 = 36$

21) $\log_{10} 100 = 2$
$10^2 = 100$

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