

Name:

Comparing Exponents Worksheet

Choose and put the correct symbol $<$, $>$ or $=$ in the box

1 4^4 4^2

2 15^3 15^2

3 2^2 5^2

4 9^2 3^2

5 10^3 9^3

6 2^{10} 4^8

7 7^3 14^2

8 2^8 3^5

9 12^1 13^0

10 25 5^2

11 12^2 21^2

12 6^2 12^1

13 20^3 40^1

14 9^6 10^4

15 2^0 4^0

16 11^6 2^8

17 104^8 10^9

18 10^{10} 12^{12}

19 8^2 6^2

20 6^3 8^{13}

21 5^7 7^5

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Answers

1 $4^4 > 4^2$

2 $15^3 > 15^2$

3 $2^2 < 5^2$

4 $9^2 > 3^2$

5 $10^3 > 9^3$

6 $2^{10} < 4^8$

7 $7^3 > 14^2$

8 $2^8 > 3^5$

9 $12^1 > 13^0$

10 $25 = 5^2$

11 $12^2 < 21^2$

12 $6^2 > 12^1$

13 $20^3 > 40^1$

14 $9^6 > 10^4$

15 $2^0 = 4^0$

16 $11^6 > 2^8$

17 $104^8 > 10^9$

18 $10^{10} < 12^{12}$

19 $8^2 > 6^2$

20 $6^3 < 8^{13}$

21 $5^7 > 7^5$