Name_____ Date_____

The Order Of Operations And Exponents

1) Write 3^5 in expanded form. _____

2) Write 12^2 in expanded form._____

3) Write 3 x 3 x 3 x 3 x 3 x 3 in exponential from._____

4) Write 8 x 8 x 8 x 8 in exponential form._____

Evaluate the following. Circle the correct choice.

5) 3^4	6) 8^2	7) 4^4	8) 7^3
a) 12	a) 56	a) 400	a) 21
b) 24	b) 64	b) 256	b) 56
c) 81	c) 81	c) 625	c) 98
d) 108	d) 100	d) 500	d) 343

Use the order of operations to solve the following. Circle the correct choice.

9) 8 + 7 x 3 - 6 =	10) $(12 - 6)^2 + 2 \times 4 =$	11) $5 + 6^2 \div 6 \times 2 =$
a) 23	a) 12	a) 5
b) 25	b) 20	b) 9
c) 30	c) 24	c) 17
d) 35	d) 44	d) 20

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12) $4^2 + 3^2 - 3 =$

a) 19
b) 22
c) 55
d) 60

13) $5 + 4^2 \div 2 \times 3 =$

a) 29
b) 32
c) 53
d) 60

14) $(9 + 6) \times 5 \div 5 =$

a) 5
b) 8
c) 10
d) 15

Use a < , > or = to compare the following values.

15) 5^0 ☐ 1^1

16) 5^2 ☐ 2^4

17) 5^3 ☐ 12^2

18) 3^3 ☐ 5^2

19) Every day after school(Monday to Friday) Kendrick runs 2 miles. If Kendrick does this 5 weeks in a row, how many miles will he have ran?

20) The PTA has $232 in their account to spend on pizza. How many pizzas can the PTA purchase if each pizza will cost $6.00?

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Name_____ Date_____

The Order Of Operations And Exponents

1) Write 3^5 in expanded form. 3 x 3 x 3 x 3 x 3

2) Write 12^2 in expanded form. 12 x 12

3) Write 3 x 3 x 3 x 3 x 3 x 3 in exponential from. 3^6

4) Write 8 x 8 x 8 x 8 in exponential form. 8^4

Evaluate the following. Circle the correct choice.

5) 3^4

a) 12
b) 24
c) 81
d) 108

6) 8^2

a) 56
b) 64
c) 81
d) 100

7) 4^4

a) 400
b) 256
c) 625
d) 500

8) 7^3

a) 21
b) 56
c) 98
d) 343

Use the order of operations to solve the following. Circle the correct choice.

9) 8 + 7 x 3 - 6 =

a) 23
b) 25
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a) 5
b) 8
c) 10
d) 15

Use a < , > or = to compare the following values.

15) 5^0 [=] 1^1

16) 5^2 [>] 2^4

17) 5^3 [<] 12^2

18) 3^3 [>] 5^2

19) Every day after school(Monday to Friday) Kendrick runs 2 miles. If Kendrick does this 5 weeks in a row, how many miles will he have ran?

2 miles x 5 days per week x 5 weeks

2 x 5 x 5 = 50 miles

20) The PTA has $232 in their account to spend on pizza. How many pizzas can the PTA purchase if each pizza will cost $6.00?

232 divided by 6.00 = 38 remainder 4

The PTA can purchase 38 pizzas.

The remainder 4 means there are $4 left over.

Check : 38 pizzas x $6.00 = $228(add the $4 remaining for 232!)

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