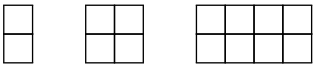
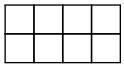
Squared Numbers Practice

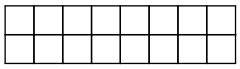
Name: _____ **Date:** _____

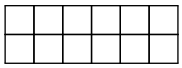
1. If the pattern is extended, which diagram would represent 2^4 ?

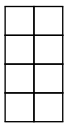


2^1 2^2 2^3

A. 

B. 

C. 

D. 

2. Which model best represents 6^2?

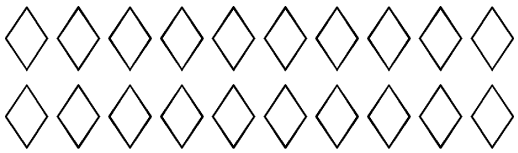
A. 

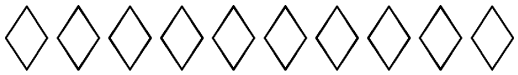
B. 

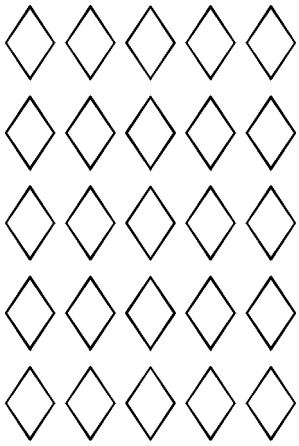
C. 

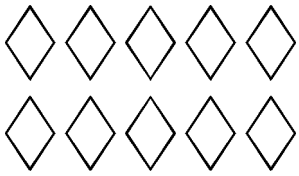
D. 

3. Which model best represents 5^2?

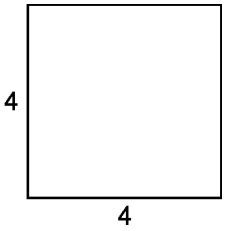
A. 

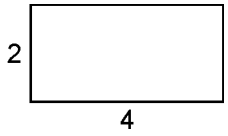
B. 

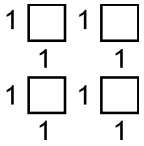
C. 

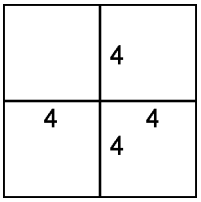
D. 

4. Which of the following is the best representation of 4^2?

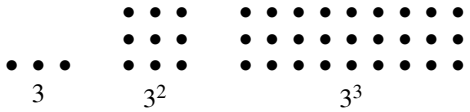
A. 

B. 

C. 

D. 

5. How many dots will there be at 3^5?



A. 21 B. 81 C. 729 D. 243

6. How is the product $2 \times 2 \times 2 \times 2 \times 2$ expressed in exponential notation?

A. 2^5 B. 5^2 C. 2^2 D. 10^2

7. How is the product $3 \times 3 \times 3 \times 3$ expressed in exponential notation?

A. 3×3 B. 3×4 C. 4×4 D. 3^4

8. What should be placed in the box to make a true statement?

$2 \times \square \times 5 = 90$

A. 80 B. 2^3 C. 3^3 D. 3^2

9. What should be placed in the box to make a true statement?

$2 \times \square \times 5 = 80$

A. 70 B. 2^3 C. 2^2 D. 3^2

10. How would 32 be written in exponential notation?

A. 2^5 B. 3^2 C. 4^8 D. 5^2

11. $2^3 =$

A. $2 \times 2 \times 2$ B. $2 + 2 + 2$

C. 3×3 D. $3 + 3$

12. $4^8 =$

A. $8 + 8 + 8 + 8$

B. $8 \times 8 \times 8 \times 8$

C. $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4$

D. $4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4 \times 4$

13. $2^6 =$

A. 6×6

B. $6 + 6$

C. $2 \times 2 \times 2 \times 2 \times 2 \times 2$

D. $2 + 2 + 2 + 2 + 2 + 2$

14. How is 2^4 expressed as a product?

A. 2×4 B. 2×8

C. $2 \times 2 \times 2 \times 2$ D. $2 \times 2 \times 2$

15. How is 3^5 expressed as a product?

A. $3 \times 3 \times 3$
B. 3×5
C. 3×8
D. $3 \times 3 \times 3 \times 3 \times 3$

16. What is another way of expressing $5^3 \times 6^2$?

A. 30^5
B. $5 + 5 + 5 \times 6 + 6$
C. $(5 + 5 + 5) \times (6 + 6)$
D. $5 \times 5 \times 5 \times 6 \times 6$

17. $11^2 =$ _____ .

A. 11
B. 121
C. 122
D. 211

18. $15^2 =$ _____ .

A. 15
B. 30
C. 150
D. 225

19. The value of 0.1^2 is _____ .

A. 2
B. 0.1
C. 0.01
D. 0.001

20. $(0.11)^2 =$ _____

A. 2.2
B. 0.0121
C. 0.22
D. 11

21. The square of $\frac{3}{4}$ is _____ .

A. $\frac{3}{4}$
B. $\frac{9}{12}$
C. $\frac{9}{16}$
D. $\frac{12}{16}$

Squared Numbers Practice 2/5/2018

1.
Answer: B
Objective: 6.EE.1

2.
Answer: D
Objective: 6.EE.1

3.
Answer: C
Objective: 6.EE.1

4.
Answer: A
Objective: 6.EE.1

5.
Answer: D
Objective: 6.EE.1

6.
Answer: A
Objective: 6.EE.1

7.
Answer: D
Objective: 6.EE.1

8.
Answer: D
Objective: 6.EE.1

9.
Answer: B
Objective: 6.EE.1

10.
Answer: A
Objective: 6.EE.1

11.
Answer: A
Objective: 6.EE.1

12.
Answer: D
Objective: 6.EE.1

13.
Answer: C
Objective: 6.EE.1

14.
Answer: C
Objective: 6.EE.1

15.
Answer: D
Objective: 6.EE.1

16.
Answer: D
Objective: 6.EE.1

17.
Answer: B
Objective: 6.EE.1

18.
Answer: D
Objective: 6.EE.1

19.
Answer: C
Objective: 6.EE.1

20.
Answer: B
Objective: 6.EE.1

21.
Answer: C
Objective: 6.EE.1