Math Practice - Grade 6

M7 Expressions, exponents, order of operations - Powers as repeated multiplication

M7 6.EE.A.1, 6.EE.A.2, 6.EE.A.2a, 6.EE.A.2b, 6.EE.A.2c

Name: _____ Date: _____

Write the power as repeated multiplication, then work it out.

Example: Write 9 to the power 2 as repeated multiplication, then work it out.

How: A power is the base multiplied by itself as many times as the exponent says. Do not multiply the base by the exponent.

9 x 9 = 81

1 **Write 10 to the power 2 as repeated multiplication, then work it out.**

10 x 10 = ☐

2 **Write 3 to the power 2 as repeated multiplication, then work it out.**

3 x 3 = ☐

3 **Write 2 to the power 3 as repeated multiplication, then work it out.**

2 x 2 x 2 = ☐

4 **Write 8 to the power 2 as repeated multiplication, then work it out.**

8 x 8 = ☐

5 **Write 5 to the power 2 as repeated multiplication, then work it out.**

5 x 5 = ☐

6 **Write 7 to the power 3 as repeated multiplication, then work it out.**

7 x 7 x 7 = ☐

7 **Write 7 to the power 2 as repeated multiplication, then work it out.**

7 x 7 = ☐

8 **Write 3 to the power 3 as repeated multiplication, then work it out.**

3 x 3 x 3 = ☐

9 **Write 10 to the power 3 as repeated multiplication, then work it out.**

10 x 10 x 10 = ☐

10 **Write 8 to the power 3 as repeated multiplication, then work it out.**

8 x 8 x 8 = ☐

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M7 6.EE.A.1, 6.EE.A.2, 6.EE.A.2a, 6.EE.A.2b, 6.EE.A.2c

Name: _____ Date: _____

Write the power as repeated multiplication, then work it out.

Example: Write 7 to the power 3 as repeated multiplication, then work it out.

How: A power is the base multiplied by itself as many times as the exponent says. Do not multiply the base by the exponent.

7 x 7 x 7 = 343

1 **Write 3 to the power 3 as repeated multiplication, then work it out.**

3 x 3 x 3 = ☐

2 **Write 6 to the power 3 as repeated multiplication, then work it out.**

6 x 6 x 6 = ☐

3 **Write 5 to the power 2 as repeated multiplication, then work it out.**

5 x 5 = ☐

4 **Write 4 to the power 2 as repeated multiplication, then work it out.**

4 x 4 = ☐

5 **Write 9 to the power 2 as repeated multiplication, then work it out.**

9 x 9 = ☐

6 **Write 2 to the power 2 as repeated multiplication, then work it out.**

2 x 2 = ☐

7 **Write 5 to the power 3 as repeated multiplication, then work it out.**

5 x 5 x 5 = ☐

8 **Write 2 to the power 3 as repeated multiplication, then work it out.**

2 x 2 x 2 = ☐

9 **Write 3 to the power 2 as repeated multiplication, then work it out.**

3 x 3 = ☐

10 **Write 10 to the power 2 as repeated multiplication, then work it out.**

10 x 10 = ☐

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M7 6.EE.A.1, 6.EE.A.2, 6.EE.A.2a, 6.EE.A.2b, 6.EE.A.2c

Name: _____ Date: _____

Write the power as repeated multiplication, then work it out.

Example: Write 3 to the power 3 as repeated multiplication, then work it out.

How: A power is the base multiplied by itself as many times as the exponent says. Do not multiply the base by the exponent.

3 x 3 x 3 = 27

1 **Write 5 to the power 2 as repeated multiplication, then work it out.**

5 x 5 = ☐

2 **Write 7 to the power 2 as repeated multiplication, then work it out.**

7 x 7 = ☐

3 **Write 4 to the power 3 as repeated multiplication, then work it out.**

4 x 4 x 4 = ☐

4 **Write 4 to the power 2 as repeated multiplication, then work it out.**

4 x 4 = ☐

5 **Write 6 to the power 3 as repeated multiplication, then work it out.**

6 x 6 x 6 = ☐

6 **Write 5 to the power 3 as repeated multiplication, then work it out.**

5 x 5 x 5 = ☐

7 **Write 9 to the power 3 as repeated multiplication, then work it out.**

9 x 9 x 9 = ☐

8 **Write 2 to the power 2 as repeated multiplication, then work it out.**

2 x 2 = ☐

9 **Write 7 to the power 3 as repeated multiplication, then work it out.**

7 x 7 x 7 = ☐

10 **Write 8 to the power 2 as repeated multiplication, then work it out.**

8 x 8 = ☐