

B. Evaluate.

• **Eg:** 2^4

○ $2^4 = 2 * 2 * 2 * 2 = 16$

1. $(-5)^6 =$ _____

2. $(11)^4 =$ _____

3. $(100)^5 =$ _____

4. $-6^7 =$ _____

5. $21^2 =$ _____

6. $\left(\frac{3}{5}\right)^4 =$ _____

7. $\left(\leftarrow 4.8 \rightarrow\right)^3 =$ _____

8. $\left(-\frac{2}{7}\right)^2 =$ _____

9. $\left(\leftarrow 3.77 \rightarrow\right)^4 =$ _____

10. $105^2 =$ _____

C. Evaluate

• **Eg: $5(4-2) - 2^3 \div 4$**

○ **$5(2) - 2^3 \div 4$**

$5(2) - 8 \div 4$

$10 - 8 \div 4$

$10 - 2$

8

1. $200 - 46 * 3 =$ _____

2. $840 \div 12 + 57 =$ _____

3. $246 * (5^2) - 147 =$ _____

4. $568 + 2^7 \div 30 =$ _____

5. $159 * 7^2 + (252 \div 12) =$ _____

6. $456 \div 6 * 5^2 - 209 =$ _____

7. $35 * 20 - (284 - 249) =$ _____

8. $318 - 233 * (56 - 50) =$ _____

9. $639 \div 9 * 16 - 978 =$ _____

10. $6(-2^3) - (-5)^2 =$ _____

Answer Key

Practice exercise: Exponents and Order of Operations

A.

1. 8^4
2. $(-3)^7$
3. $(w)^8$
4. 110^{10}
5. 18^7
6. f^6
7. a^9
8. $\left(\frac{3}{7}\right)^8$
9. $(-2.6)^7$
10. $(-q)^5$

B.

1. 15 625
2. 14 641
3. 1×10^{10}
4. -279 936
5. 441
6. $\frac{81}{625}$
7. -110.592
8. $\frac{4}{49}$
9. 1
10. 11 025

C.

1. 62
2. 127
3. 6 003
4. 572.27
5. 7 812
6. 1 691
7. 665
8. 920
9. 158
10. -73