

Name:

Date:

BASIC EXPONENTS Worksheet - Problems

No. Problem

Answer Key

1. 4^2

2. 4^3

3. -3^4

4. $(-3)^4$

5. -2^3

6. -5^4

7. $(-5)^4$

8. $\frac{2^2}{3}$

9. $\left(-\frac{5}{6}\right)^2$

10. $\left(-\frac{5}{6}\right)^3$

11. x^2

12. $x \cdot y^2$

13. $\left(\frac{x}{y}\right)^2$

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BASIC EXPONENTS Worksheet - Answers

| No. | Problem | Answer Key |
|-----|-------------------------------|---|
| 1. | 4^2 | 16 |
| 2. | 4^3 | 64 |
| 3. | -3^4 | -81 |
| 4. | $(-3)^4$ | 81 |
| 5. | -2^3 | -8 |
| 6. | -5^4 | -625 |
| 7. | $(-5)^4$ | 625 |
| 8. | $\frac{2^2}{3}$ | $\frac{4}{3}$ |
| 9. | $\left(-\frac{5}{6}\right)^2$ | $\left(\frac{25}{36}\right)$ |
| 10. | $\left(-\frac{5}{6}\right)^3$ | $\left(-\frac{125}{216}\right)$ |
| 11. | x^2 | $x \cdot x$ |
| 12. | $x \cdot y^2$ | $x \cdot y \cdot y$ |
| 13. | $\left(\frac{x}{y}\right)^2$ | $\frac{x}{y} \cdot \frac{x}{y} = \frac{x^2}{y^2}$ |