Year 8 Integers, Powers and Roots – Foundation

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Year 8 · Maths · Integers, Powers and Roots · Level 1 Foundation · 10 questions

Name _____ **Date** _____

A. Powers and roots

1. Write $2^{12} \div 2^{5}$ as a single power of 2.

Answer _____

2. Write $6^{11} \div 6^{11}$ as a single power of 6.

Answer _____

3. Work out $2^{2} + 11^{0} - 10^{2}$.

Answer _____

4. Write down both square roots of 121.

Answer _____

5. Work out $(-14)^{2}$.

Answer _____

6. Work out $(-8)^{3}$.

Answer _____

7. Work out $\sqrt[3]{64} \times (7 - 10)$.

Answer _____

8. Work out $2^{4} - (-3)^{2} \times 2$.

Answer _____

9. Work out −96 ÷ 16.

Answer _____

10. Here are five numbers: −4, −1/3, 7, 0.75, 0. Which of them are integers? (All of them are rational numbers.)

Answer _____