POWER AND EXPONENT (REVISION)

1. Find the value of: $\left(\frac{1}{4}\right)^{-2} + \left(\frac{1}{3}\right)^{-3} + \left(\frac{1}{2}\right)^{-4}$

2. Simplify: $\left[\left(\frac{-4}{5}\right)^{-2}\right]^2$

3. What is the reciprocal of 0.1?

4. Can be $\frac{a^m}{b^m}$ equal to $\left(\frac{a}{b}\right)^m$?

5. Simplify $(1 / 3^2)^3$.

6. Evaluate: $(5^{-1} \times 8^2) / (2^{-3} \times 10^{-1})$.

7. Find the value of 'm' for which $6^m / 6^{-3} = 6^5$?

8. Evaluate $[(1/2)^{-1} - (1/3)^{-1}]^{-1}$.

9. Simplify: $(-3)^5 \times (5/3)^5$.

10. Compare 7×10^{-6} and 129×10^{-7}.

11. The size of a plant cell is 0.00001275 m. express it in standard form.

12. If the thickness of a paper sheet is 0.0016 cm, find the thickness of 100 sheets. Express the answer in standard form.