

Negative Indices Questions

Evaluate each of the following expressions. Give your answers as fractions where appropriate.

1. $5^{-3} =$

2. $4^{-2} =$

3. $10^{-1} =$

4. $7^{-2} =$

5. $3^{-4} =$

6. $8^{-1} =$

7. $6^{-2} =$

8. $12^{-1} =$

9. $11^{-3} =$

10. $2^{-5} =$

11. $15^{-2} =$

12. $20^{-1} =$

13. $13^{-2} =$

14. $25^{-1} =$

15. $16^{-2} =$

Answer Key

1. $5^{-3} = \frac{1}{125}$

2. $4^{-2} = \frac{1}{16}$

3. $10^{-1} = \frac{1}{10}$

4. $7^{-2} = \frac{1}{49}$

5. $3^{-4} = \frac{1}{81}$

6. $8^{-1} = \frac{1}{8}$

7. $6^{-2} = \frac{1}{36}$

8. $12^{-1} = \frac{1}{12}$

9. $11^{-3} = \frac{1}{1331}$

10. $2^{-5} = \frac{1}{32}$

11. $15^{-2} = \frac{1}{225}$

12. $20^{-1} = \frac{1}{20}$

13. $13^{-2} = \frac{1}{169}$

14. $25^{-1} = \frac{1}{25}$

15. $16^{-2} = \frac{1}{256}$