

Name: _____

Date: _____

Zero and negative exponents

Write each answer as a whole number or a fraction.

1. $(2^2)^{-1} =$ _____

11. $2^{-3} =$ _____

2. $4^{-3} =$ _____

12. $(4^2)^{-1} =$ _____

3. $5^{-2} =$ _____

13. $5^{-1} =$ _____

4. $2^{-2} =$ _____

14. $4^{-2} =$ _____

5. $4^0 =$ _____

15. $(5^2)^{-1} =$ _____

6. $(3^2)^{-1} =$ _____

16. $4^{-1} =$ _____

7. $7^0 =$ _____

17. $3^{-3} =$ _____

8. $2^{-1} =$ _____

18. $6^0 =$ _____

9. $8^0 =$ _____

19. $3^{-2} =$ _____

10. $2^0 =$ _____

20. $5^0 =$ _____

Exponents and Scientific Notation: Answer Key

1. $\frac{1}{4}$

2. $\frac{1}{64}$

3. $\frac{1}{25}$

4. $\frac{1}{4}$

5. 1

6. $\frac{1}{9}$

7. 1

8. $\frac{1}{2}$

9. 1

10. 1

11. $\frac{1}{8}$

12. $\frac{1}{16}$

13. $\frac{1}{5}$

14. $\frac{1}{16}$

15. $\frac{1}{25}$

16. $\frac{1}{4}$

17. $\frac{1}{27}$

18. 1

19. $\frac{1}{9}$

20. 1