

ANSWER PRESENTATION TOOL

Blue - Student Edition

10

2 - Exercises

2-23, 25-27,

ALL EVEN

Show Solu

ODD

2. no; The bases are not the same.

3. 3^4

4. 8^{14}

5. $(-4)^{12}$

6. a^6

7. h^7

8. $\left(\frac{2}{3}\right)^8$

9. $\left(-\frac{5}{7}\right)^{17}$

10. $(-2.9)^8$

11. 5^{12}

12. b^{36}

13. 3.8^{12}

14. $\left(-\frac{3}{4}\right)^{10}$

15. The bases should not be multiplied.

$$\begin{aligned} 5^2 \cdot 5^9 &= 5^{2+9} \\ &= 5^{11} \end{aligned}$$

16. The exponents should not be added.
Write the expression as repeated multiplication.

$$\begin{aligned} (r^6)^4 &= r^6 \cdot r^6 \cdot r^6 \cdot r^6 \\ &= r^{6+6+6+6} \\ &= r^{24} \end{aligned}$$

17. $216g^3$

18. $-243v^5$

19. $\frac{1}{25}k^2$

20. $2.0736m^4$

21. $r^{12} t^{12}$

22. $-\frac{27}{64}p^3$

23. no; $3^2 + 3^3 = 9 + 27 = 36$ and $3^5 = 243$

25. 496

26. x^4

27. 78,125

37. B