

Answer Key:

- 1) $\log_4 8$ (B – Mrs. Hamilton)
- 2) $\log x^5 y^7$ (E – excited)
- 3) $\log_2 4$ (B – playing PIG)
- 4) $\log_3 18x^2$ (E – Big Bird)
- 5) $\log_7 \frac{a^9}{b^3}$ (A – St. Patrick's Day)
- 6) $2 \cdot \log_5 x + \log_5 y$ (D – Canada)
- 7) $\log_3 16 + 2 \cdot \log_3 x - 2 \cdot \log_3 y$ (B – frozen lake)
- 8) $\frac{1}{3} \cdot \log 9 + \frac{4}{3} \cdot \log x$ (C – slippers)
- 9) $10 \cdot \log_8 m + 6 \cdot \log_8 n$ (E – sending Snapchats)
- 10) $\frac{5}{2} \cdot \log_2 c + 4 \cdot \log_2 d$ (A – they lost a bet)