

第11回 正の数・負の数の乗法 演習編1

解答

①  $(-10) \times (+2) \times (-11) = +220$

②  $(-15) \times 0 \times (-5) \times (-20) = 0$

③  $7^2 = 7 \times 7 = +49$

④  $2^4 = 2 \times 2 \times 2 \times 2 = +16$

⑤  $-1^3 = -1 \times 1 \times 1 = -1$

⑥  $(-5)^2 = (-5) \times (-5) = +25$

⑦  $\left(\frac{1}{2}\right)^3 = \left(\frac{1}{2}\right) \times \left(\frac{1}{2}\right) \times \left(\frac{1}{2}\right) = \frac{1 \times 1 \times 1}{2 \times 2 \times 2} = \frac{1}{8}$

⑧  $\left(-\frac{2}{3}\right)^2 = \left(-\frac{2}{3}\right) \times \left(-\frac{2}{3}\right) = \frac{2 \times 2}{3 \times 3} = +\frac{4}{9}$

⑨  $5^2 \times (-1)^3 = 5 \times 5 \times (-1) \times (-1) \times (-1) = -25$

⑩  $-(-1)^3 \times (-2)^3 \times (-2^3)$   
 $= -(-1) \times (-8) \times (-8)$   
 $= +64$