

33 累乗

1 次のかけ算を累乗の指数を使ってあらわしなさい。

① $2 \times 2 \times 2$

② $(-3) \times (-3) \times (-3) \times (-3)$

③ $(-5) \times (-5) \times (-5) \times 7 \times 7 \times 7 \times 7$

④ $4 \times 4 \times \left(-\frac{2}{3}\right) \times \left(-\frac{2}{3}\right) \times \left(-\frac{2}{3}\right)$

2 次の計算をしなさい。

① 3^2

② $(-5)^2$

③ -5^2

④ $\left(-\frac{2}{3}\right)^4$

3 次の計算をしなさい。

① $2 \times (-3^2)$

② $5 \times (-2)^4$

③ $3^2 \times 4^2$

④ $(-5)^2 \times (-2)^3$

⑤ $2^2 \times (-5^2)$

⑥ $3^2 \times (-2)^5 \times (-1^4)$

⑦ $\left(-\frac{5}{2}\right)^2 \times \left(\frac{3}{10}\right)^3 \times \left(-\frac{4}{3}\right)^2$

⑧ $\frac{3}{4} \times \left(\frac{2}{3}\right)^3 \times \left(\frac{3}{5}\right)^2$

34 答え

1

$$\textcircled{1} 2^3 \quad \textcircled{2} (-3)^4 \quad \textcircled{3} (-5)^3 \times 7^4 \quad \textcircled{4} 4^2 \times \left(-\frac{2}{3}\right)^3$$

2

$$\textcircled{1} 9 \quad \textcircled{2} 25 \quad \textcircled{3} -25 \quad \textcircled{4} \frac{16}{81}$$

3

$$\textcircled{1} -18 \quad \textcircled{2} 80 \quad \textcircled{3} 144 \quad \textcircled{4} -200 \quad \textcircled{5} -100 \quad \textcircled{6} 288 \quad \textcircled{7} \frac{3}{10} \quad \textcircled{8} \frac{2}{25}$$