

【中1 数学 | 正負の数】

次の計算をしなさい。

$$\begin{aligned}
 (1) \quad & (3 - 2^3) \times (-2^2) - 4^3 \div 8 \\
 & = (3 - 8) \times (-4) - 64 \div 8 \\
 & = -5 \times (-4) - 8 \\
 & = 20 - 8 \\
 & = 12
 \end{aligned}$$

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$$\begin{aligned}
 (2) \quad & (5^2 - 3^2) \div \{5 - (-1)^3\} \div \left(\frac{1}{3} - \frac{1}{7}\right) \\
 & = (25 - 9) \div \{5 - (-1)\} \div \frac{7-3}{21} \\
 & = \frac{16}{6} \times \frac{1}{2} \times \frac{21}{4} \\
 & = 14
 \end{aligned}$$

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$$\begin{aligned}
 (3) \quad & \left(\frac{2}{3}\right)^3 - 2^2 \times \frac{7}{9} \times \left(-\frac{1}{3}\right) \\
 & = \frac{8}{27} - 4 \times \frac{7}{9} \times \left(-\frac{1}{3}\right) \\
 & = \frac{8}{27} + \frac{28}{27} \\
 & = \frac{36}{27} \\
 & = \frac{4}{3}
 \end{aligned}$$

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