

正負の数7  
次の計算をなさい。

(1)  $5 \times (-2)^2$

$$5 \times 4 = 20$$

(2)  $-3^3 \div (-3)^2$

$$-27 \div 9 = -3$$

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

$$-5 \times (-3) \times 4 = 60$$

(4)  $-2^2 \times (-6) \div (-8)$

$$= -4 \times (-6) \div (-8)$$

$$= 24 \div (-8) = -3$$

(5)  $(-12) \div (-2)^3 \times (-3)$

$$-12 \div (-8) \times (-3)$$

$$= -\frac{3 \cancel{12} \times 3}{8 \cancel{2}} = -\frac{9}{2}$$

(6)  $150 \div (-5)^2 \times (-3)$

$$150 \div 25 \times (-3)$$

$$= -\frac{6 \cancel{150} \times 3}{\cancel{25}} \\ = -18$$

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

$$-\frac{\cancel{2}^1}{\cancel{3}_3} \times \frac{\cancel{3}^1}{\cancel{8}_1} \times \frac{3}{1} = -\frac{1}{3}$$

$$(8) \frac{3}{5} \div \frac{6}{5} \div \left(\frac{2}{3}\right)^2$$

$$\frac{\cancel{3}^1}{\cancel{5}_2} \times \frac{\cancel{5}^1}{\cancel{6}_2} \times \frac{9}{4} = \frac{9}{8}$$

$$(9) (-2)^2 \div 0.2 \times (-0.5)^2$$

$$4 \div \frac{1}{5} \times \left(-\frac{1}{2}\right)^2$$

$$= 4 \times \frac{5}{1} \times \frac{1}{4}$$

$$= \frac{\cancel{4}^1 \times 5 \times 1}{1 \times 1 \times \cancel{4}_1}$$

$$= 5$$