

問題番号
07M0107_1
レベル
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うんな進学塾
中1 第1章 多項式の計算
⑦四則計算と分配法則 No.1 解答

授業動画QR



1. 次の計算をなさい。

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

(2) $(-3)^2$
 $(-3) \times (-3) = 9$

(3) $(-3)^3$
 $(-3) \times (-3) \times (-3) = -27$

(4) $-15 \times (3^2)$
 $-15 \times 3 \times 3 = -135$

(5) $-4 + 6 \times (-2)$
 $-4 + (-12) = -16$

(6) $14 - (-5) \times 3$
 $14 - (-15) = 29$

(7) $-2 \times (3 - 2^2) + 6$
 $-2 \times (3 - 2 \times 2) + 6$
 $= -2 \times (-1) + 6 = 2 + 6 = 8$

(8) $(-20) + 4 \times (3 - 5)$
 $(-20) + 4 \times (-2) = (-20) + (-8)$
 $= -28$

(9) $15 \div (-7 + 2)$
 $15 \div (-5) = 15 \times \left(-\frac{1}{5}\right) = -3$

(10) $15 \div (-3) \times 5 - 2$
 $15 \times \left(-\frac{1}{3}\right) \times 5 - 2 = -25 - 2$

(11) $8 \times (9 - 5^2) + 6$
 $8 \times (9 - 5 \times 5) + 6 = 8 \times (-16) + 6$
 $= -128 + 6 = -122$

(12) $(-8) \div (4 - 6) + 5$
 $(-8) \div (-2) + 5 = (-8) \times \left(-\frac{1}{2}\right) + 5$
 $= 4 + 5 = 9$

(1) -9	(2) 9	(3) -27
(4) -135	(5) -16	(6) 29
(7) 8	(8) -28	(9) -3
(10) -27	(11) -122	(12) 9

2. 分配法則を利用して次の計算をなさい。

(1) $18 \times \left(\frac{13}{6} - \frac{2}{9}\right)$
 $18 \times \frac{13}{6} - 18 \times \frac{2}{9} = 39 - 4 = 35$

(2) $12 \times 4 - 12 \times 2$
 $12(4 - 2) = 12 \times 2 = 24$

(3) $101 \times (-65)$
 $(100 + 1) \times (-65)$
 $= 100 \times (-65) + 1 \times (-65)$
 $= -6500 - 65 = -6565$

(1) 35	(2) 24	(3) -6565
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