

中学1年生 方程式 〈累乗の表し方〉

次の式を \times の記号を使わないで表しなさい。

(1) $m \times m \times m$

(8) $x \times x \times y \times y \times y$

(15) $5 \times p \times p \times p \times q$

(2) $x \times y \times x \times 5$

(9) $a \times a \times a \times a \times b$

(16) $4 \times (a + b) \times (a + b)$

(3) $a \times x \times x \times a \times x \times x \times a$

(10) $(p + q) \times (p + q) \times (p + q)$

(17) $(-3) \times x \times x \times x \times y \times y$

(4) $p \times p \times p \times (-2) \times p$

(11) $2 \times x \times 2 \times x$

(18) $(c + d) \times (c + d) \times (c + d) \times (c + d) \times (c + d)$

(5) $(a + b) \times (a + b)$

(12) $(b - a) \times (b - a) \times (b - a)$

(19) $p \times p \times q \times q \times r$

(6) $(x - 3) \times (x - 3) \times (-5)$

(13) $3 \times x \times x \times x \times y$

(20) $a \times a \times b \times b \times c$

(7) $n \times n \times n \times m \times m$

(14) $(m - n) \times (m - n)$

解答

(1) m^3

(8) x^2y^3

(15) $5p^3q$

(2) $5x^2y$

(9) a^4b

(16) $4(a + b)^2$

(3) a^3x^4

(10) $(p + q)^3$

(17) $-3x^3y^2$

(4) $-2p^4$

(11) $4x^2$

(18) $(c + d)^5$

(5) $(a + b)^2$

(12) $(b - a)^3$

(19) p^2q^2r

(6) $-5(x - 3)^2$

(13) $3x^3y$

(20) a^2b^2c

(7) n^3m^2

(14) $(m - n)^2$