

掛け算・割り算 0104-1

1. 次の計算をなさい。

(1) $a^2 \times a^4$

(2) $a^2 \times a^2$

(3) $m^2 \times m$

(4) $x^4 \times x^4$

(5) $y^4 \times y^3$

(6) $n^3 \times n^4$

(7) $2c^3 \times (-4c^2)$

(8) $a^2 \times (-2a^2)$

(9) $(-2a^2) \times 3a^4$

(10) $(-z) \times (-4z^4)$

(11) $(-c^4) \times (-c^2)$

(12) $(-4m^3) \times (-m)$

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

(14) $x^2 \times x^2 \times x$

(15) $z^2 \times z \times z^4$

(16) $x^3 \times x^3 \times x^4$

(17) $(-2y^3) \times 3y^4 \times (-y^4)$

(18) $2n^3 \times (-2n^3) \times (-2n^3)$

(19) $(-3y) \times 4y^2 \times 3y^3$

(20) $3b^4 \times (-b) \times (-4b^4)$

2. 次の計算をしなさい。

(1) $m \div m$

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

(3) $a^5 \div a$

(4) $b^4 \div b^2$

(5) $x^3 \div x^2$

(6) $y^2 \div y^2$

(7) $(-16y^5) \div (-4y)$

(8) $(-6y^3) \div (-3y)$

(9) $6z^8 \div 2z^4$

(10) $(-2m^4) \div m^2$

(11) $(-4n^3) \div n^2$

(12) $(-6a^4) \div (-3a^3)$

(13) $y^5 \div y^2 \div y^3$

(14) $b^6 \div b^4 \div b^2$

(15) $c^9 \div c^2 \div c^2$

(16) $a^6 \div a^4 \div a^2$

(17) $18x^9 \div (-2x^4) \div 3x^4$

(18) $8x^6 \div 2x \div 2x^4$

(19) $24n^{10} \div (-4n) \div 3n$

(20) $8x^9 \div (-2x^2) \div (-4x)$

3. 次の計算をしなさい。

$$(1) \left(-\frac{6}{5}m^3\right) \times \left(-\frac{5}{3}m^2\right)$$

$$(2) \left(-\frac{1}{4}b^2\right) \times (-6b)$$

$$(3) \left(-\frac{1}{6}c\right) \times \left(-\frac{3}{2}c^4\right)$$

$$(4) \left(-\frac{3}{2}b^6\right) \div \frac{1}{6}b^3$$

$$(5) \left(-\frac{5}{2}c^4\right) \div \frac{5}{6}c^3$$

$$(6) \left(-\frac{5}{2}y^5\right) \div \frac{5}{6}y^4$$

$$(7) y^4 \times y \div y^2$$

$$(8) c^3 \times c^2 \div c$$

$$(9) a^2 \times a^3 \div a^4$$

$$(10) z^2 \div z \times z^4$$

$$(11) c^2 \div c \times c^2$$

$$(12) m^4 \div m \times m^2$$

$$(13) (-3m^3) \times 6m^2 \div (-2m)$$

$$(14) (-16z^4) \times z \div (-4z^2)$$

$$(15) (-a) \times (-16a) \div (-4a)$$

$$(16) 12x \times 3x^4 \div (-3x^5)$$

$$(17) (-12m) \div (-3m) \times (-3m^2)$$

$$(18) 2z^2 \div (-2z^2) \times 2z^2$$

$$(19) 8z^4 \div 2z^3 \times (-4z)$$

$$(20) (-3m^2) \div 2m \times 6m$$

4. 次の計算をしなさい。

$$(1) \frac{3}{2}x^2 \times \left(-\frac{5}{6}x^2\right)$$

$$(2) (-6a) \times \left(-\frac{1}{3}a\right)$$

$$(3) \left(-\frac{5}{2}c^3\right) \times 6c^2$$

$$(4) (-3b) \times \frac{1}{6}b$$

$$(5) \left(-\frac{1}{6}m^3\right) \times \left(-\frac{3}{2}m\right)$$

$$(6) \frac{1}{3}y^7 \div \frac{1}{6}y^3$$

$$(7) \frac{1}{3}z^4 \div \frac{5}{6}z^2$$

$$(8) \left(-\frac{4}{3}n^4\right) \div \left(-\frac{5}{6}n\right)$$

$$(9) \left(-\frac{3}{4}a^5\right) \div \frac{1}{6}a^2$$

$$(10) \left(-\frac{5}{3}b^4\right) \div \left(-\frac{1}{6}b\right)$$

$$(11) x^8 \div x \div x^4$$

$$(12) y^2 \div y \times y$$

$$(13) c^5 \div c^2 \div c$$

$$(14) b^2 \times b^2 \div b^2$$

$$(15) 24y^8 \div (-3y^3) \div 2y^3$$

$$(16) (-4n) \div 2n \times (-8n^3)$$

$$(17) (-2c^2) \div c^2 \times (-2c^3)$$

$$(18) 4n^4 \times n^3 \times (-3n^4)$$

$$(19) (-4m^4) \div (-4m^2) \times (-12m^4)$$

$$(20) 2x \times 2x \div x$$

掛け算・割り算 0104-1

1. 次の計算をなさい。

(1) $a^2 \times a^4$

a^6

(2) $a^2 \times a^2$

a^4

(3) $m^2 \times m$

m^3

(4) $x^4 \times x^4$

x^8

(5) $y^4 \times y^3$

y^7

(6) $n^3 \times n^4$

n^7

(7) $2c^3 \times (-4c^2)$

$-8c^5$

(8) $a^2 \times (-2a^2)$

$-2a^4$

(9) $(-2a^2) \times 3a^4$

$-6a^6$

(10) $(-z) \times (-4z^4)$

$4z^5$

(11) $(-c^4) \times (-c^2)$

c^6

(12) $(-4m^3) \times (-m)$

$4m^4$

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

y^7

(14) $x^2 \times x^2 \times x$

x^5

(15) $z^2 \times z \times z^4$

z^7

(16) $x^3 \times x^3 \times x^4$

x^{10}

(17) $(-2y^3) \times 3y^4 \times (-y^4)$

$6y^{11}$

(18) $2n^3 \times (-2n^3) \times (-2n^3)$

$8n^9$

(19) $(-3y) \times 4y^2 \times 3y^3$

$-36y^6$

(20) $3b^4 \times (-b) \times (-4b^4)$

$12b^9$

2. 次の計算をしなさい。

(1) $m \div m$

1

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

1

(3) $a^5 \div a$

a^4

(4) $b^4 \div b^2$

b^2

(5) $x^3 \div x^2$

x

(6) $y^2 \div y^2$

1

(7) $(-16y^5) \div (-4y)$

$4y^4$

(8) $(-6y^3) \div (-3y)$

$2y^2$

(9) $6z^8 \div 2z^4$

$3z^4$

(10) $(-2m^4) \div m^2$

$-2m^2$

(11) $(-4n^3) \div n^2$

$-4n$

(12) $(-6a^4) \div (-3a^3)$

$2a$

(13) $y^5 \div y^2 \div y^3$

1

(14) $b^6 \div b^4 \div b^2$

1

(15) $c^9 \div c^2 \div c^2$

c^5

(16) $a^6 \div a^4 \div a^2$

1

(17) $18x^9 \div (-2x^4) \div 3x^4$

$-3x$

(18) $8x^6 \div 2x \div 2x^4$

$2x$

(19) $24n^{10} \div (-4n) \div 3n$

$-2n^8$

(20) $8x^9 \div (-2x^2) \div (-4x)$

x^6

3. 次の計算をしなさい。

$$(1) \left(-\frac{6}{5}m^3\right) \times \left(-\frac{5}{3}m^2\right) \\ \mathbf{2m^5}$$

$$(2) \left(-\frac{1}{4}b^2\right) \times (-6b) \\ \mathbf{\frac{3}{2}b^3}$$

$$(3) \left(-\frac{1}{6}c\right) \times \left(-\frac{3}{2}c^4\right) \\ \mathbf{\frac{1}{4}c^5}$$

$$(4) \left(-\frac{3}{2}b^6\right) \div \frac{1}{6}b^3 \\ \mathbf{-9b^3}$$

$$(5) \left(-\frac{5}{2}c^4\right) \div \frac{5}{6}c^3 \\ \mathbf{-3c}$$

$$(6) \left(-\frac{5}{2}y^5\right) \div \frac{5}{6}y^4 \\ \mathbf{-3y}$$

$$(7) y^4 \times y \div y^2 \\ \mathbf{y^3}$$

$$(8) c^3 \times c^2 \div c \\ \mathbf{c^4}$$

$$(9) a^2 \times a^3 \div a^4 \\ \mathbf{a}$$

$$(10) z^2 \div z \times z^4 \\ \mathbf{z^5}$$

$$(11) c^2 \div c \times c^2 \\ \mathbf{c^3}$$

$$(12) m^4 \div m \times m^2 \\ \mathbf{m^5}$$

$$(13) (-3m^3) \times 6m^2 \div (-2m) \\ \mathbf{9m^4}$$

$$(14) (-16z^4) \times z \div (-4z^2) \\ \mathbf{4z^3}$$

$$(15) (-a) \times (-16a) \div (-4a) \\ \mathbf{-4a}$$

$$(16) 12x \times 3x^4 \div (-3x^5) \\ \mathbf{-12}$$

$$(17) (-12m) \div (-3m) \times (-3m^2) \\ \mathbf{-12m^2}$$

$$(18) 2z^2 \div (-2z^2) \times 2z^2 \\ \mathbf{-2z^2}$$

$$(19) 8z^4 \div 2z^3 \times (-4z) \\ \mathbf{-16z^2}$$

$$(20) (-3m^2) \div 2m \times 6m \\ \mathbf{-9m^2}$$

4. 次の計算をしなさい。

$$(1) \frac{3}{2}x^2 \times \left(-\frac{5}{6}x^2\right) \\ -\frac{5}{4}x^4$$

$$(2) (-6a) \times \left(-\frac{1}{3}a\right) \\ 2a^2$$

$$(3) \left(-\frac{5}{2}c^3\right) \times 6c^2 \\ -15c^5$$

$$(4) (-3b) \times \frac{1}{6}b \\ -\frac{1}{2}b^2$$

$$(5) \left(-\frac{1}{6}m^3\right) \times \left(-\frac{3}{2}m\right) \\ \frac{1}{4}m^4$$

$$(6) \frac{1}{3}y^7 \div \frac{1}{6}y^3 \\ 2y^4$$

$$(7) \frac{1}{3}z^4 \div \frac{5}{6}z^2 \\ \frac{2}{5}z^2$$

$$(8) \left(-\frac{4}{3}n^4\right) \div \left(-\frac{5}{6}n\right) \\ \frac{8}{5}n^3$$

$$(9) \left(-\frac{3}{4}a^5\right) \div \frac{1}{6}a^2 \\ -\frac{9}{2}a^3$$

$$(10) \left(-\frac{5}{3}b^4\right) \div \left(-\frac{1}{6}b\right) \\ 10b^3$$

$$(11) x^8 \div x \div x^4 \\ x^3$$

$$(12) y^2 \div y \times y \\ y^2$$

$$(13) c^5 \div c^2 \div c \\ c^2$$

$$(14) b^2 \times b^2 \div b^2 \\ b^2$$

$$(15) 24y^8 \div (-3y^3) \div 2y^3 \\ -4y^2$$

$$(16) (-4n) \div 2n \times (-8n^3) \\ 16n^3$$

$$(17) (-2c^2) \div c^2 \times (-2c^3) \\ 4c^3$$

$$(18) 4n^4 \times n^3 \times (-3n^4) \\ -12n^{11}$$

$$(19) (-4m^4) \div (-4m^2) \times (-12m^4) \\ -12m^6$$

$$(20) 2x \times 2x \div x \\ 4x$$