

掛け算・割り算 0104-3

1. 次の計算をなさい。

(1)  $a \times a^3$

(2)  $z^4 \times z^3$

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

(4)  $z^3 \times z^4$

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

(6)  $a \times a$

(7)  $(-4z^4) \times (-2z^2)$

(8)  $4n^4 \times 4n^4$

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

(10)  $(-3b) \times (-4b^4)$

(11)  $2a^3 \times a$

(12)  $2z^4 \times 4z$

(13)  $n^2 \times n^4 \times n^3$

(14)  $n^2 \times n \times n^3$

(15)  $z^4 \times z^4 \times z^3$

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

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

(18)  $(-4c^2) \times (-c^2) \times (-3c^4)$

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

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

2. 次の計算をしなさい。

(1)  $m^6 \div m^2$

(2)  $z^6 \div z^3$

(3)  $m^7 \div m^3$

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

(5)  $c^5 \div c$

(6)  $z^5 \div z^2$

(7)  $(-6n^5) \div 2n^2$

(8)  $4b^4 \div b$

(9)  $2z^6 \div (-z^2)$

(10)  $(-3m^7) \div 3m^4$

(11)  $(-4y^5) \div y$

(12)  $(-8m^5) \div 2m$

(13)  $a^9 \div a^3 \div a^2$

(14)  $a^{10} \div a^4 \div a$

(15)  $a^{10} \div a^3 \div a^2$

(16)  $c^6 \div c^4 \div c$

(17)  $(-12c^5) \div 3c^3 \div (-4c)$

(18)  $(-3x^5) \div x^4 \div 3x$

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

(20)  $(-32a^9) \div 4a^2 \div 2a^4$

3. 次の計算をしなさい。

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

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

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

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

$$(5) \frac{1}{6}m^6 \div \frac{1}{3}m^3$$

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

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

$$(8) b^4 \times b^4 \div b^6$$

$$(9) y^2 \times y \div y^2$$

$$(10) c \div c \times c^2$$

$$(11) y^3 \div y^2 \times y^2$$

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

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

$$(14) 2x \times x^2 \div (-2x^3)$$

$$(15) (-2y^3) \times 2y^2 \div (-y)$$

$$(16) (-6a^4) \times (-2a) \div (-2a^3)$$

$$(17) (-6y^3) \div (-3y^2) \times 3y^3$$

$$(18) (-12y) \div (-3y) \times (-4y^4)$$

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

$$(20) (-2n^2) \div (-2n) \times (-4n^4)$$

4. 次の計算をなさい。

$$(1) \frac{1}{2}n \times \frac{6}{5}n$$

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

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

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

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

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

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

$$(8) \left(-\frac{1}{2}a^6\right) \div \frac{1}{6}a^2$$

$$(9) \frac{1}{2}a^7 \div \left(-\frac{3}{4}a^4\right)$$

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

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

$$(12) m^{10} \div m^4 \div m$$

$$(13) m^9 \div m^4 \div m^3$$

$$(14) a^4 \times a^3 \div a^5$$

$$(15) (-a^2) \times a^4 \div a^5$$

$$(16) 3n^2 \times (-3n^3) \div 3n^5$$

$$(17) 8a^9 \div 2a^3 \div (-a^3)$$

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

$$(19) (-4m) \times (-8m) \div (-2m)$$

$$(20) m^2 \div (-2m^2) \times (-6m^4)$$

掛け算・割り算 0104-3

1. 次の計算をなさい。

(1)  $a \times a^3$

**$a^4$**

(2)  $z^4 \times z^3$

**$z^7$**

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

**$c^6$**

(4)  $z^3 \times z^4$

**$z^7$**

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

**$c^7$**

(6)  $a \times a$

**$a^2$**

(7)  $(-4z^4) \times (-2z^2)$

**$8z^6$**

(8)  $4n^4 \times 4n^4$

**$16n^8$**

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

**$-9z^5$**

(10)  $(-3b) \times (-4b^4)$

**$12b^5$**

(11)  $2a^3 \times a$

**$2a^4$**

(12)  $2z^4 \times 4z$

**$8z^5$**

(13)  $n^2 \times n^4 \times n^3$

**$n^9$**

(14)  $n^2 \times n \times n^3$

**$n^6$**

(15)  $z^4 \times z^4 \times z^3$

**$z^{11}$**

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

**$c^8$**

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

**$-2b^{10}$**

(18)  $(-4c^2) \times (-c^2) \times (-3c^4)$

**$-12c^8$**

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

**$-18z^9$**

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

**$-16x^7$**

2. 次の計算をしなさい。

$$(1) m^6 \div m^2 \\ m^4$$

$$(2) z^6 \div z^3 \\ z^3$$

$$(3) m^7 \div m^3 \\ m^4$$

$$(4) b^3 \div b^2 \\ b$$

$$(5) c^5 \div c \\ c^4$$

$$(6) z^5 \div z^2 \\ z^3$$

$$(7) (-6n^5) \div 2n^2 \\ -3n^3$$

$$(8) 4b^4 \div b \\ 4b^3$$

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

$$(10) (-3m^7) \div 3m^4 \\ -m^3$$

$$(11) (-4y^5) \div y \\ -4y^4$$

$$(12) (-8m^5) \div 2m \\ -4m^4$$

$$(13) a^9 \div a^3 \div a^2 \\ a^4$$

$$(14) a^{10} \div a^4 \div a \\ a^5$$

$$(15) a^{10} \div a^3 \div a^2 \\ a^5$$

$$(16) c^6 \div c^4 \div c \\ c$$

$$(17) (-12c^5) \div 3c^3 \div (-4c) \\ c$$

$$(18) (-3x^5) \div x^4 \div 3x \\ -1$$

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

$$(20) (-32a^9) \div 4a^2 \div 2a^4 \\ -4a^3$$

3. 次の計算をしなさい。

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

$$(2) \left(-\frac{5}{6}y^2\right) \times \frac{2}{3}y^4 \\ -\frac{5}{9}y^6$$

$$(3) \left(-\frac{3}{2}n\right) \times (-6n^4) \\ 9n^5$$

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

$$(5) \frac{1}{6}m^6 \div \frac{1}{3}m^3 \\ \frac{1}{2}m^3$$

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

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

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

$$(9) y^2 \times y \div y^2 \\ y$$

$$(10) c \div c \times c^2 \\ c^2$$

$$(11) y^3 \div y^2 \times y^2 \\ y^3$$

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

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

$$(14) 2x \times x^2 \div (-2x^3) \\ -1$$

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

$$(16) (-6a^4) \times (-2a) \div (-2a^3) \\ -6a^2$$

$$(17) (-6y^3) \div (-3y^2) \times 3y^3 \\ 6y^4$$

$$(18) (-12y) \div (-3y) \times (-4y^4) \\ -16y^4$$

$$(19) 8z \div 2z \times (-3z^4) \\ -12z^4$$

$$(20) (-2n^2) \div (-2n) \times (-4n^4) \\ -4n^5$$

4. 次の計算をしなさい。

$$(1) \frac{1}{2}n \times \frac{6}{5}n$$

$$\frac{3}{5}n^2$$

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

$$-\frac{1}{4}y^3$$

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

$$3m^8$$

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

$$10y^3$$

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

$$-\frac{3}{5}a^5$$

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

$$-\frac{1}{8}z^2$$

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

$$\frac{9}{10}a$$

$$(8) \left(-\frac{1}{2}a^6\right) \div \frac{1}{6}a^2$$

$$-3a^4$$

$$(9) \frac{1}{2}a^7 \div \left(-\frac{3}{4}a^4\right)$$

$$-\frac{2}{3}a^3$$

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

$$10b^2$$

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

$$b^2$$

$$(12) m^{10} \div m^4 \div m$$

$$m^5$$

$$(13) m^9 \div m^4 \div m^3$$

$$m^2$$

$$(14) a^4 \times a^3 \div a^5$$

$$a^2$$

$$(15) (-a^2) \times a^4 \div a^5$$

$$-a$$

$$(16) 3n^2 \times (-3n^3) \div 3n^5$$

$$-3$$

$$(17) 8a^9 \div 2a^3 \div (-a^3)$$

$$-4a^3$$

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

$$-27y^8$$

$$(19) (-4m) \times (-8m) \div (-2m)$$

$$-16m$$

$$(20) m^2 \div (-2m^2) \times (-6m^4)$$

$$3m^4$$