

毎年、入試最初の5問は以下のような計算問題で合計20点となっている。比較的やさしいので必ず解けるようにしておこう。

◎次の計算をなさい。

(1) $5-7$

(2) $2-6$

(3) $4-13$

(4) $5-12$

(5) $1-9$

(6) $6-23$

(7) $17-31$

(8) $27-61$

(9) $10-5-7$

(10) $7-4-8$

(11) $6 \div (-2) + (-5) \times (-3)$

(12) $-2 \times 4 - (-12) \div (-4)$

(13) $2 \times (-8) + (-10) \div 2$

(14) $-1 \times (-5) - (-15) \div (-3)$

(15) $6 \times (-3) - 8 \div 2$

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

(17) $4 \times (-3) - (-20) \div (-5)$

(18) $-3 \times (-2) + 24 \div (-4)$

(19) $-3 \times 3 - 25 \div 5$

(20) $-8 \times (-4) + 18 \div (-2)$

(21) $6 \div (-3) - 4 \times (-3)$

(22) $-15 \div (-3) + (-2) \times 4$

(23) $36 \div (-6) - (-3) \times (-5)$

(24) $-15 \div 3 - 2 \times (-3)$

(25) $-30 \div (-5) + 3 \times (-6)$

(26) $169 \div 13 - 4 \times 6$

(27) $-30 \div (-6) + 4 \times (-3)$

(28) $16 \div (-2) - 2 \times (-3)$

(29) $-35 \div (-7) - 3 \times 5$

(30) $9 \div (-3) - 2 \times (-4)$

(31) $(-3)^2 \times 3 + (-27) \div 3$

(32) $3 \times (-2)^2 + (-7) \times 3$

(33) $(-2)^3 \div 2 - (-2) \times 3$

(34) $(-3)^3 \div 3 + (-2) \times (-5)$

(35) $(-2)^3 \times 2 - (-28) \div 4$

(36) $\frac{1}{4} + \frac{7}{3} \div \left(-\frac{7}{2}\right)$

(37) $\frac{1}{2} - \frac{8}{5} \div \left(-\frac{8}{3}\right)$

(38) $\frac{2}{3} - \left(\frac{5}{2}\right) \div \left(\frac{5}{3}\right)$

$$(39) \frac{2}{7} + \frac{7}{3} \div \left(-\frac{7}{5}\right)$$

$$(40) \frac{2}{9} + \left(-\frac{3}{8}\right) \div \left(-\frac{3}{4}\right)$$

$$(41) \frac{3}{2} \div \left(-\frac{3}{4}\right) + \frac{6}{7}$$

$$(42) \frac{11}{5} \div \left(-\frac{11}{2}\right) + \frac{1}{4}$$

$$(43) \frac{5}{8} \div \left(-\frac{5}{3}\right) + \frac{1}{3}$$

$$(44) \frac{3}{8} \div \left(-\frac{3}{2}\right) + \frac{1}{5}$$

$$(45) -\frac{8}{9} \div \left(-\frac{8}{5}\right) - \frac{4}{3}$$

$$(46) 2(x+2y) - (x+3y)$$

$$(47) 3(x-y) - 2(2x-y)$$

$$(48) -4(x+2y) + 2(2x+3y)$$

$$(49) -2(-2x+3y) - (5x+4y)$$

$$(50) -(5x-2y) + 2(4x-3y)$$

$$(51) 5(x-y) - (4x-6y)$$

$$(52) 2(5x+4y) - 4(2x+3y)$$

$$(53) 3(2x-3y) + 5(x+2y)$$

$$(54) -4(x-y) - 3(2x-y)$$

$$(55) 4(3x+2y) + 3(5x-4y)$$

$$(56) \sqrt{12} - \sqrt{6} \times \sqrt{2}$$

$$(57) \sqrt{2}(1-\sqrt{3}) - \sqrt{50}$$

$$(58) \sqrt{18} - \sqrt{10} \times \sqrt{5}$$

$$(59) 4\sqrt{6} \div \sqrt{3} - \sqrt{8}$$

$$(60) \sqrt{32} - 5\sqrt{10} \div \sqrt{5}$$

$$(61) (2\sqrt{3}-1)(\sqrt{3}+2)$$

$$(62) \sqrt{98} - \sqrt{12} \times \sqrt{6}$$

$$(63) \sqrt{5}(2-\sqrt{2}) - \sqrt{45}$$

$$(64) 5\sqrt{10} \div \sqrt{2} - \sqrt{20}$$

$$(65) \sqrt{48} - 6\sqrt{15} \div \sqrt{5}$$

$$(66) (3\sqrt{5}-2)(\sqrt{5}-1)$$

20点確保プリント② 解答

- (1) $5-7 = -2$
(2) $2-6 = -4$
(3) $4-13 = -9$
(4) $5-12 = -7$
(5) $1-9 = -8$
(6) $6-23 = -17$
(7) $17-31 = -14$
(8) $27-61 = -34$
(9) $10-5-7 = -2$
(10) $7-4-8 = -5$

(11) $6 \div (-2) + (-5) \times (-3)$
 12

(12) $-2 \times 4 - (-12) \div (-4)$
 -11

(13) $2 \times (-8) + (-10) \div 2$
 -21

(14) $-1 \times (-5) - (-15) \div (-3)$
 0

(15) $6 \times (-3) - 8 \div 2$
 -22

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

(17) $4 \times (-3) - (-20) \div (-5)$
 -16

(18) $-3 \times (-2) + 24 \div (-4)$
 0

(19) $-3 \times 3 - 25 \div 5$
 -14

(20) $-8 \times (-4) + 18 \div (-2)$
 23

(21) $6 \div (-3) - 4 \times (-3)$
 10

(22) $-15 \div (-3) + (-2) \times 4$
 -3

(23) $36 \div (-6) - (-3) \times (-5)$
 -21

(24) $-15 \div 3 - 2 \times (-3)$
 1

(25) $-30 \div (-5) + 3 \times (-6) = -12$

(26) $169 \div 13 - 4 \times 6$
 -11

(27) $-30 \div (-6) + 4 \times (-3)$
 -7

(28) $16 \div (-2) - 2 \times (-3)$
 -2

(29) $-35 \div (-7) - 3 \times 5$
 -10

(30) $9 \div (-3) - 2 \times (-4)$
 5

(31) $(-3)^2 \times 3 + (-27) \div 3$
 18

(32) $3 \times (-2)^2 + (-7) \times 3$
 -9

(33) $(-2)^3 \div 2 - (-2) \times 3$
 2

(34) $(-3)^3 \div 3 + (-2) \times (-5)$
 1

(35) $(-2)^3 \times 2 - (-28) \div 4$
 -9

(36) $\frac{1}{4} + \frac{7}{3} \div \left(-\frac{7}{2}\right) = -\frac{5}{12}$

(37) $\frac{1}{2} - \frac{8}{5} \div \left(-\frac{8}{3}\right) = \frac{11}{10}$

(38) $\frac{2}{3} - \left(\frac{5}{2}\right) \div \left(\frac{5}{3}\right) = -\frac{5}{6}$

$$(39) \frac{2}{7} + \frac{7}{3} \div \left(-\frac{7}{5}\right) \quad -\frac{29}{21}$$

$$(40) \frac{2}{9} + \left(-\frac{3}{8}\right) \div \left(-\frac{3}{4}\right) \quad \frac{13}{18}$$

$$(41) \frac{3}{2} \div \left(-\frac{3}{4}\right) + \frac{6}{7} \quad -\frac{8}{7}$$

$$(42) \frac{11}{5} \div \left(-\frac{11}{2}\right) + \frac{1}{4} \quad -\frac{3}{20}$$

$$(43) \frac{5}{8} \div \left(-\frac{5}{3}\right) + \frac{1}{3} \quad -\frac{1}{24}$$

$$(44) \frac{3}{8} \div \left(-\frac{3}{2}\right) + \frac{1}{5} \quad -\frac{1}{20}$$

$$(45) -\frac{8}{9} \div \left(-\frac{8}{5}\right) - \frac{4}{3} \quad -\frac{7}{9}$$

$$(46) 2(x+2y) - (x+3y)$$

$x + y$

$$(47) 3(x-y) - 2(2x-y)$$

$-x - y$

$$(48) -4(x+2y) + 2(2x+3y)$$

$-2y$

$$(49) -2(-2x+3y) - (5x+4y)$$

$-x - 10y$

$$(50) -(5x-2y) + 2(4x-3y)$$

$3x - 4y$

$$(51) 5(x-y) - (4x-6y)$$

$x + y$

$$(52) 2(5x+4y) - 4(2x+3y)$$

$2x - 4y$

$$(53) 3(2x-3y) + 5(x+2y)$$

$11x + y$

$$(54) -4(x-y) - 3(2x-y)$$

$-10x + 7y$

$$(55) 4(3x+2y) + 3(5x-4y)$$

$27x - 4y$

$$(56) \sqrt{12} - \sqrt{6} \times \sqrt{2}$$

0

$$(57) \sqrt{2}(1-\sqrt{3}) - \sqrt{50} \quad -4\sqrt{2} - \sqrt{6}$$

$$(58) \sqrt{18} - \sqrt{10} \times \sqrt{5} \quad -2\sqrt{2}$$

$$(59) 4\sqrt{6} \div \sqrt{3} - \sqrt{8} \quad 2\sqrt{2}$$

$$(60) \sqrt{32} - 5\sqrt{10} \div \sqrt{5} \quad -\sqrt{2}$$

$$(61) (2\sqrt{3}-1)(\sqrt{3}+2) \quad 4+3\sqrt{3}$$

$$(62) \sqrt{98} - \sqrt{12} \times \sqrt{6} \quad \sqrt{2}$$

$$(63) \sqrt{5}(2-\sqrt{2}) - \sqrt{45} \quad -\sqrt{5} - \sqrt{10}$$

$$(64) 5\sqrt{10} \div \sqrt{2} - \sqrt{20} \quad 3\sqrt{5}$$

$$(65) \sqrt{48} - 6\sqrt{15} \div \sqrt{5} \quad -2\sqrt{3}$$

$$(66) (3\sqrt{5}-2)(\sqrt{5}-1) \quad 17-5\sqrt{5}$$