

有理数计算

一、口算

- (1). $(-16) + (-8) =$ (2). $-2 + 12 =$ (3). $-(-2)^3 =$
(4). $(-48) \div 3 =$ (5). $78 + (-85) =$ (6). $(-14) - (+15) =$
(7). $(-15) + (+9) =$ (8). $(-4) \times (-6) =$ (9). $4 - (-16) =$
(10). $12 - (+17) =$ (11). $84 \times (-\frac{1}{3}) =$ (12). $\frac{3}{4} \div (-0.25) =$
(13). $4.8 - (+2.3) =$ (14). $(-17) - (+9) =$ (15). $0.3 \times (-4) =$
(16). $-2^4 =$ (17). $(-6) \div (-\frac{1}{3}) =$ (18). $\frac{1}{3} - \frac{1}{2} =$
(19). $7.2 \div (-2.4) =$ (20). $\frac{2}{3} \times (-\frac{3}{4}) =$ (21). $-7 + 13 =$
(22). $(-1)^{2024} =$ (23). $-10 + 3.4 =$ (24). $-10 - (-3) =$
(25). $\frac{-3^2}{4} =$ (26). $0.42 \div (-0.3) =$ (27). $-14 \div (-\frac{1}{3}) =$
(28). $23 - 100 =$ (29). $-\frac{3}{-4^2} =$

二、混合运算 I

- (1). $\frac{3}{7} \div (-2\frac{1}{7}) \times (-64) \div 3\frac{1}{5} \times \frac{5}{8} =$
(2). $-2^2 \times (-\frac{1}{2}) + 8 \div (-2)^2 =$
(3). $(-39)\frac{17}{18} \times 9 =$
(4). $\frac{1}{24} \div (-1 + \frac{1}{2} + \frac{1}{3} - \frac{1}{4}) =$
(5). $-4\frac{1}{4} - (+5\frac{1}{3}) - (-6\frac{1}{2}) - (-8\frac{1}{3}) =$
(6). $-4\frac{2}{3} \times 0.6 + 17 \div \frac{1}{2} + (-\frac{3}{5}) \times (1 - \frac{1}{3}) - 17 =$
(7). $(-16) + (-5\frac{3}{8}) + 24 + (-\frac{5}{8}) + 10 =$
(8). $(-2 + 4) - (-2) \times (-1 - 3 + 6) =$

三、混合运算 II

- (1). $(-\frac{1}{2})^{2012} \times (-2)^{2011} =$
(2). $(\frac{1}{2} - \frac{5}{9} + \frac{5}{6} - \frac{7}{12}) \times (-36) =$
(3). $-2^3 \div (-3)^2 \times (-2) =$
(4). $0 - 2^3 \div (-4)^3 - \frac{1}{8} =$
(5). $-5 - (-11) + 2\frac{1}{3} - (-\frac{2}{3}) =$

$$(6). -9 + 5 \times (-6) - (-4)^2 \div (-8) =$$

$$(7). 100 + 16 \div (-2)^4 - \frac{1}{5} - |-100| =$$

$$(8). (-1) + (-1)^2 + \dots + (-1)^{2013} =$$

四、混合运算 III

$$(1). -4^2 \div (-1\frac{3}{5}) - \frac{5}{6} \times (-\frac{3}{4}) =$$

$$(2). 4 + (-2)^3 \times 5 - (-0.28) \div 4 =$$

$$(3). -36 \times (\frac{7}{18} - \frac{3}{4} + \frac{5}{6}) - 2 =$$

$$(4). 7\frac{1}{9} \times (1\frac{1}{2} - 1\frac{1}{8} + 3\frac{1}{4}) \times (-2\frac{1}{4}) =$$

$$(5). (-3^3 + 4^2 + |-2|) \div 3 \times (-\frac{1}{3}) =$$

$$(6). [4.8 \times 10^3] \div [(-1\frac{3}{5}) \times 10^2] =$$

$$(7). -5^2 - [(-2)^3 + (1 - 0.8 \times \frac{3}{4}) \div |-1 - 1|] =$$

$$(8). (-5) \div [1.85 - (2 - 1\frac{3}{4}) \times 7] =$$

五、混合运算 IV

$$(1). 8 \times (-\frac{2}{5}) - (-4) \times (-\frac{2}{9}) + (-8) \times \frac{3}{5} =$$

$$(2). -6^2 \div \frac{2^2}{3} \times (-\frac{2}{3}) \div (-\frac{1}{2}) =$$

$$(3). |-2\frac{1}{4}| - (-\frac{3}{4}) + 1 - |1 - \frac{1}{2}| =$$

$$(4). (-\frac{1}{2})^2 + \frac{1}{2} \times (\frac{2}{3} - |\frac{2}{3} - 2|) =$$

$$(5). -1^{2011} - (1 - 0.5) \times \frac{1}{-2-1} =$$

$$(6). -\frac{3}{2} \times [-3^2 \times (-\frac{2}{3})^2 - 2] =$$

$$(7). -5^2 - [-4 + (1 - 0.2 \times \frac{1}{5}) \div (-2)] =$$

$$(8). (-81) \div (+2.25) \times \frac{4}{9} \div 16 =$$

$$(9). (-\frac{5}{8}) \times (-4)^2 - 0.25 \times (-5) \times (-4)^3 =$$

$$(10). (-3)^2 - (1\frac{1}{2})^3 \times \frac{2}{9} - 6 \div |- \frac{2}{3}| =$$

六、混合运算 V

$$(1). \left(-\frac{5}{8}\right) \times (-4)^2 - 0.25 \times (-5) \times (-4)^3 =$$

$$(2). (-5)^3 \times \left(-\frac{3}{5}\right)^2 =$$

$$(3). \left|-\frac{7}{9}\right| \div \left(\frac{2}{3} - \frac{1}{5}\right) - \frac{1}{3} \times (-4)^2 =$$

$$(4). -0.25 \div \left(-\frac{1}{2}\right)^2 - 9 \times \left(-\frac{1}{3}\right)^3 + (-1)^4 \div 3 =$$

$$(5). (-5)^3 \times \left(-\frac{3}{5}\right) + 32 \div (-2^2) \times \left(-1\frac{1}{4}\right) =$$

$$(6). -1^2 - \left[1\frac{3}{7} + (-12) \div 6\right]^2 \times \left(-\frac{3}{4}\right)^2 =$$

$$(7). -4^2 \div \left(-1\frac{3}{5}\right) - \frac{5}{6} \times \left(-\frac{3}{4}\right) =$$

$$(8). -\frac{3}{-2^3} + \frac{-2}{4^2} - \left(-\frac{1}{2}\right)^3 =$$