

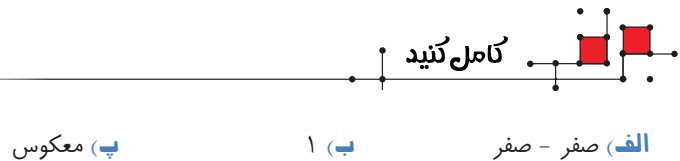


درس چهارم: ضرب و تقسیم عددهای گویا



درست یا نادرست

الف) نادرست (ب) نادرست (پ) درست (ت) درست



الف) صفر - صفر (ب) ۱ (پ) معکوس

پرسش‌های دو گزینه‌ای

$$-1/2 = -\frac{12}{10} = -\frac{6}{5} \xrightarrow{\text{معکوس}} -\frac{5}{6}$$

الف) گزینه (۲)

$$1\frac{3}{5} = \frac{8}{5} \xrightarrow{\text{معکوس}} \frac{5}{8} \Rightarrow 1\frac{3}{5} \times \frac{5}{8} = 1$$

ب) گزینه (۱)

$$-\frac{2}{3} \div \frac{3}{-4} = (-\frac{2}{3}) \div (-\frac{3}{4}) = \frac{2}{3} \div \frac{3}{4} = \frac{2}{3} \times \frac{4}{3}$$

پ) گزینه (۱)

تمرین‌های تشریحی

(۱)

الف) $\frac{2}{5} \times (+\frac{5}{8}) = \frac{2}{5} \times \frac{5}{8} = \frac{1}{4}$

ب) $-\frac{7}{8} \times (+\frac{12}{5}) = -(\frac{7}{8} \times \frac{12}{5}) = -\frac{21}{10}$

پ) $\frac{9}{2} \times (-\frac{10}{3}) = -(\frac{9}{2} \times \frac{10}{3}) = -15$

ت) $-\frac{5}{12} \times (-\frac{6}{7}) = \frac{5}{12} \times \frac{6}{7} = \frac{5}{14}$

(۲)

الف) $-3\frac{2}{3} \times (+\frac{6}{5}) = -(3\frac{2}{3} \times \frac{6}{5}) = -(\frac{11}{1} \times \frac{6}{5}) = -\frac{22}{5}$

ب) $\frac{2}{7} \times (-2\frac{4}{5}) = -(\frac{2}{7} \times 2\frac{4}{5}) = -(\frac{2}{7} \times \frac{14}{5}) = -\frac{4}{5}$

پ) $-1\frac{3}{5} \times (-3\frac{1}{2}) = 1\frac{3}{5} \times 3\frac{1}{2} = \frac{8}{5} \times \frac{7}{2} = \frac{28}{5}$

ت) $1\frac{1}{5} \times (+2\frac{4}{3}) = 1\frac{1}{5} \times 2\frac{4}{3} = \frac{6}{5} \times \frac{10}{3} = 4$

ث) $-1/8 \times (+2/5) = -(1/8 \times 2/5) = -(\frac{1}{4} \times \frac{2}{5}) = -\frac{2}{20} = -\frac{1}{10}$

ج) $7\frac{1}{2} \times (-2/4) = -(7\frac{1}{2} \times 2/4) = -(\frac{15}{2} \times \frac{1}{2}) = -\frac{15}{4} = -3\frac{3}{4}$

$A = -2\frac{1}{2} = -\frac{5}{2}$, $B = -1\frac{3}{4} = -\frac{7}{4} \Rightarrow A \times B = (-\frac{5}{2}) \times (-\frac{7}{4}) = \frac{5}{2} \times \frac{7}{4} = \frac{35}{8}$

(۳)

(۴)

الف) $\frac{4}{3}$

ب) $-\frac{7}{3}$

پ) $\frac{1}{5}$

ت) $-\frac{1}{4}$

ث) $+2\frac{3}{5} = \frac{13}{5} \xrightarrow{\text{معکوس}} \frac{5}{13}$

ج) $-1\frac{3}{4} = -\frac{7}{4} \xrightarrow{\text{معکوس}} \frac{4}{7}$

ج) $1/4 = \frac{14}{10} = \frac{7}{5} \xrightarrow{\text{معکوس}} \frac{5}{7}$

ج) $-3/4 = -\frac{34}{10} = -\frac{17}{5} \xrightarrow{\text{معکوس}} \frac{5}{17}$

(۵)

الف) $-\frac{7}{2}$

ب) $-\frac{9}{25}$

پ) $\frac{5}{17}$

ت) $-\frac{1}{5}$

ث) ۱۰۰

(۶)

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

(۷)

الف) $\frac{14}{15} \div (-\frac{7}{5}) = \frac{14}{15} \times (-\frac{5}{7}) = -\frac{14}{15} \times \frac{5}{7} = -\frac{2}{3}$

ب) $-\frac{2}{3} \div (-\frac{3}{2}) = -\frac{2}{3} \times (-\frac{2}{3}) = \frac{2}{3} \times \frac{2}{3} = \frac{4}{9}$

پ) $-\frac{9}{10} \div \frac{6}{25} = -\frac{9}{10} \times \frac{25}{6} = -\frac{15}{4}$

ت) $\frac{99}{100} \div (-\frac{99}{100}) = \frac{99}{100} \times (-\frac{100}{99}) = -\frac{99}{100} \times \frac{100}{99} = -1$

(۸)

الف) $-\frac{12}{5} \div (-12) = -\frac{12}{5} \times (-\frac{1}{12}) = \frac{12}{5} \times \frac{1}{12} = \frac{1}{5}$

ب) $3 \div (-\frac{5}{2}) = 3 \times (-\frac{2}{5}) = -3 \times \frac{2}{5} = -\frac{6}{5}$

پ) $1/2 \div (-3) = 1/2 \times (-\frac{1}{3}) = -\frac{1}{2} \times \frac{1}{3} = -\frac{1}{6}$

ت) $-3/2 \div 6 = -3/2 \times \frac{1}{6} = -\frac{3}{2} \times \frac{1}{6} = -\frac{1}{4}$



$$\text{ث}) -1/4 \div \frac{3}{5} = -1/4 \times \frac{5}{3} = -\frac{5}{12} \times \frac{3}{3} = -\frac{5}{12}$$

$$\text{ج}) -1/8 \div (-\frac{2}{3}) = -1/8 \times (-\frac{3}{2}) = 1/8 \times \frac{3}{2} = \frac{3}{16}$$

$$\text{ج}) 2/7 \div 2/4 = \frac{27}{10} \div \frac{24}{10} = \frac{27}{10} \times \frac{10}{24} = \frac{9}{8}$$

$$\text{ج}) -3/6 \div (-4/8) = -\frac{36}{10} \div (-\frac{48}{10}) = -\frac{36}{10} \times (-\frac{10}{48}) = \frac{36}{48} = \frac{3}{4}$$

9

$$\text{الف}) \frac{4}{5} = \frac{8}{10} = 0.8$$

$$\text{ب}) \frac{24}{25} = \frac{96}{100} = 0.96$$

$$\text{پ}) \frac{7}{2} = \frac{35}{10} = 3.5$$

$$\text{ت}) -\frac{5}{8} = -\frac{625}{1000} = -0.625$$

10

$$\text{الف}) (-\frac{2}{3} - (-\frac{1}{3})) \times \frac{5}{15} = (-\frac{2}{3} + \frac{1}{3}) \times \frac{5}{15} = -\frac{1}{3} \times \frac{5}{15} = -\frac{1}{9}$$

$$\text{ب}) -\frac{4}{3} \div (-\frac{1}{3} + \frac{2}{5}) = -\frac{4}{3} \div (-\frac{5}{15} + \frac{6}{15}) = -\frac{4}{3} \div \frac{1}{15} = -\frac{4}{3} \times \frac{15}{1} = -20$$

$$\text{پ}) (-\frac{1}{9} - \frac{2}{9} - \frac{3}{9} - \frac{4}{9}) \times (-\frac{6}{5}) = (-\frac{10}{9}) \times (-\frac{6}{5}) = \frac{40}{45} = \frac{8}{9}$$

$$\text{ت}) (\frac{1}{6} - \frac{3}{4} + \frac{5}{9}) \div \frac{35}{36} = (\frac{6}{36} - \frac{27}{36} + \frac{20}{36}) \div \frac{35}{36} = -\frac{1}{36} \div \frac{35}{36} = -\frac{1}{36} \times \frac{36}{35} = -\frac{1}{35}$$

$$\text{ث}) (-\frac{1}{2} - \frac{1}{9}) + (-3 + 5) - 1 \frac{7}{18} = (-\frac{9}{18} - \frac{2}{18}) + 2 - \frac{25}{18} = -\frac{11}{18} + \frac{36}{18} - \frac{25}{18} = 0$$

$$\text{ج}) -2 \frac{3}{4} \times (-1 \frac{4}{5}) \div (\frac{3}{2} - 1) = -\frac{11}{4} \times (-\frac{9}{5}) \div (\frac{3}{2} - \frac{2}{2}) = -\frac{11}{4} \times (-\frac{9}{5}) \div (\frac{1}{2}) = -\frac{11}{4} \times \frac{9}{5} \times \frac{2}{1} = -\frac{99}{10}$$

$$\text{ج}) -2 \frac{1}{3} \div 1 \frac{2}{5} - 2 \frac{1}{6} \times 1 \frac{1}{4} = -\frac{7}{3} \div \frac{7}{5} - \frac{13}{6} \times \frac{5}{4} = -\frac{7}{3} \times \frac{5}{7} - \frac{65}{24} = -\frac{5}{3} - \frac{65}{24} = -\frac{40}{24} - \frac{65}{24} = -\frac{105}{24} = -\frac{35}{8}$$

$$\text{ج}) (1 - 1 \frac{1}{2})(2 - 2 \frac{1}{2})(3 - 3 \frac{1}{2}) = (-\frac{1}{2})(-\frac{1}{2})(-\frac{1}{2}) = -\frac{1}{8}$$

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

12

$$\text{الف}) \frac{-1 \frac{2}{3} + \frac{2}{6} - \frac{5}{3} + \frac{1}{3} - \frac{5}{3} + \frac{1}{3} - \frac{4}{3}}{-2 \frac{1}{3} - \frac{7}{9} - \frac{7}{3} - \frac{7}{9} - \frac{21}{9} - \frac{7}{9} - \frac{28}{9}} = \frac{-\frac{10}{3}}{-\frac{48}{9}} = \frac{-\frac{10}{3} \times 3}{-\frac{48}{9} \times 3} = \frac{-10}{-16} = \frac{5}{8}$$

$$\text{ب}) \frac{-1 \frac{3}{4} \times \frac{12}{7} + 2 - \frac{1}{2} \times \frac{12}{7} + 2}{\frac{1}{2} \div (-\frac{3}{5}) - \frac{9}{2} \div (-\frac{3}{5}) - \frac{1}{2} \times \frac{5}{2} - \frac{15}{2} - \frac{15}{2} - \frac{15}{2}} = \frac{-\frac{3}{2} + 2 - \frac{6}{7} + 2}{-\frac{15}{10} + \frac{45}{10} - \frac{5}{4} - \frac{15}{2} - \frac{15}{2} - \frac{15}{2}} = \frac{\frac{5}{2}}{-\frac{105}{4}} = -\frac{2}{21}$$

$$\text{پ) } \frac{-1\frac{1}{2} - (-1\frac{1}{3})}{\frac{1}{2} \times 1\frac{1}{3} - \frac{5}{6} \div \frac{2}{3}} = \frac{-\frac{3}{2} - (-\frac{4}{3})}{\frac{1}{2} \times \frac{4}{3} - \frac{5}{6} \times \frac{3}{2}} = \frac{-\frac{3}{2} + \frac{4}{3}}{\frac{2}{3} - \frac{5}{4}} = \frac{-\frac{9}{6} + \frac{8}{6}}{\frac{8}{12} - \frac{15}{12}} = \frac{-\frac{1}{6}}{-\frac{7}{12}} = \frac{1}{6} \times \frac{12}{7} = \frac{2}{7}$$

$$\text{ت) } \frac{(2-\frac{7}{2}) - (\frac{3}{2} - \frac{5}{3})}{(\frac{2}{7} - \frac{3}{14}) - (\frac{1}{3} - \frac{1}{2})} = \frac{(\frac{4}{2} - \frac{7}{2}) - (\frac{9}{6} - \frac{10}{6})}{(\frac{4}{14} - \frac{3}{14}) - (\frac{2}{6} - \frac{3}{6})} = \frac{-\frac{3}{2} - (-\frac{1}{6})}{\frac{1}{14} - (-\frac{1}{6})} = \frac{-\frac{3}{2} + \frac{1}{6}}{\frac{1}{14} + \frac{1}{6}} = \frac{-\frac{9}{6} + \frac{1}{6}}{\frac{3}{42} + \frac{7}{42}} = \frac{-\frac{8}{6}}{\frac{10}{42}} = -\frac{4}{3} \times \frac{21}{5} = -\frac{28}{5}$$

$$\text{ث) } \frac{2}{1 + \frac{1}{1 - \frac{4}{3}}} = \frac{2}{1 + \frac{1}{\frac{3-4}{3}}} = \frac{2}{1 + \frac{1}{-\frac{1}{3}}} = \frac{2}{1 + (-3)} = \frac{2}{1-3} = \frac{2}{-2} = -1$$

$$\text{ج) } -\frac{2}{3} \div ((1 - \frac{1}{3}) - (-\frac{3}{9}) \times (\frac{1}{6})) = -\frac{2}{3} \div ((\frac{3}{3} - \frac{1}{3}) - (-\frac{1}{3}) \times \frac{1}{6}) = -\frac{2}{3} \div (\frac{2}{3} + \frac{1}{3} \times \frac{1}{6}) = -\frac{2}{3} \div (\frac{2}{3} + \frac{1}{18})$$

$$= -\frac{2}{3} \div (\frac{12}{18} + \frac{1}{18}) = -\frac{2}{3} \div \frac{13}{18} = -\frac{2}{3} \times \frac{18}{13} = -\frac{12}{13}$$

$$\text{د) } \frac{1 + \frac{2}{5} \div (1 - \frac{1}{2})}{1 - \frac{2}{5}} = \frac{\frac{5}{5} + \frac{2}{5} \div (1 - \frac{1}{2})}{\frac{5}{5} - \frac{2}{5}} = \frac{\frac{5}{5} + \frac{2}{5} \div (\frac{2}{2} - \frac{1}{2})}{\frac{3}{5}} = \frac{\frac{5}{5} + \frac{2}{5} \div \frac{1}{2}}{\frac{3}{5}} = \frac{\frac{5}{5} + \frac{2}{5} \times 2}{\frac{3}{5}} = \frac{\frac{5}{5} + \frac{4}{5}}{\frac{3}{5}} = \frac{\frac{9}{5}}{\frac{3}{5}} = \frac{9}{5} \times \frac{5}{3} = 3$$

۱۳

$$a = \frac{1}{6}, \quad b = -\frac{1}{3} \Rightarrow (\frac{1}{a} + \frac{1}{b}) \div \frac{b}{a} = (\frac{1}{\frac{1}{6}} + \frac{1}{-\frac{1}{3}}) \div \frac{-\frac{1}{3}}{\frac{1}{6}} = (6 - 3) \div \frac{-\frac{1}{3} \times 6}{1} = 3 \div (-2) = -\frac{3}{2}$$

۱۴

$$\text{الف) } (-\frac{3}{2})^2 + (-\frac{1}{2})(-\frac{1}{3})^3 = (-\frac{3}{2})^2(-\frac{3}{2}) + (-\frac{1}{2})(-\frac{1}{3})(-\frac{1}{3})(-\frac{1}{3}) = \frac{3}{2} \times \frac{3}{2} + \frac{1}{2} \times \frac{1}{3} \times \frac{1}{3} \times \frac{1}{3}$$

$$= \frac{9}{4} + \frac{1}{54} = \frac{243}{108} + \frac{2}{108} = \frac{245}{108}$$

$$\text{ب) } (-2\frac{1}{3})^2 \div (-\frac{1}{4})^2 = (-\frac{7}{3})^2 \div (-\frac{1}{4})^2 = ((-\frac{7}{3})(-\frac{7}{3})) \div ((-\frac{1}{4})(-\frac{1}{4}))$$

$$= (\frac{49}{9}) \div (\frac{1}{16}) = \frac{49}{9} \times \frac{16}{1} = \frac{784}{9}$$

$$\text{پ) } \frac{1 + (-\frac{3}{4})^2 \div (-\frac{9}{8})}{(-\frac{3}{2})^3} = \frac{1 + ((-\frac{3}{4})(-\frac{3}{4})) \div (-\frac{9}{8})}{(-\frac{3}{2})(-\frac{3}{2})(-\frac{3}{2})} = \frac{1 + (\frac{9}{16} \div (-\frac{9}{8}))}{-\frac{3}{2} \times \frac{3}{2} \times \frac{3}{2}} = \frac{1 + \frac{9}{16} \times (-\frac{8}{9})}{-\frac{27}{8}} = \frac{1 - \frac{8}{16}}{-\frac{27}{8}} = \frac{1 - \frac{1}{2}}{-\frac{27}{8}} = \frac{\frac{1}{2}}{-\frac{27}{8}} = -\frac{1}{2} \times \frac{8}{27} = -\frac{4}{27}$$



$$\begin{aligned} \text{ب)} \quad ((1 - \frac{13}{15}) \div (1 - \frac{19}{15}))^3 &= ((\frac{15}{15} - \frac{13}{15}) \div (\frac{15}{15} - \frac{19}{15}))^3 = (\frac{2}{15} \div (-\frac{4}{15}))^3 = (\frac{2}{15} \times (-\frac{15}{4}))^3 = (-\frac{2}{4})^3 \\ &= (-\frac{1}{2})^3 = (-\frac{1}{2})(-\frac{1}{2})(-\frac{1}{2}) = -\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} = -\frac{1}{8} \end{aligned}$$

۱۵

$$(-\frac{2}{3})^m = -\frac{8}{27} \Rightarrow m = 3 \quad (-\frac{4}{5})^n = \frac{16}{25} \Rightarrow n = 2 \quad n - m = 2 - 3 = -1$$

۱۶

$$\begin{aligned} \text{روش اول: } \frac{2}{3} - \frac{3}{4} + \frac{2}{3} - \frac{3}{4} + \dots + \frac{2}{3} &= 14 \times (\frac{2}{3} - \frac{3}{4}) + \frac{2}{3} = 14 \times (\frac{8}{12} - \frac{9}{12}) + \frac{2}{3} = 14 \times (-\frac{1}{12}) + \frac{2}{3} \\ &= -\frac{14}{12} + \frac{2}{3} = -\frac{7}{6} + \frac{2}{3} = -\frac{7}{6} + \frac{4}{6} = -\frac{3}{6} = -\frac{1}{2} \end{aligned}$$

$$\text{روش دوم: } \frac{2}{3} - \frac{3}{4} + \frac{2}{3} - \frac{3}{4} + \dots + \frac{2}{3} = 15 \times \frac{2}{3} + 14 \times (-\frac{3}{4}) = 10 - \frac{21}{2} = \frac{20}{2} - \frac{21}{2} = -\frac{1}{2}$$

تمرین‌های ویژه

$$A = 1 \times \frac{1}{99} \times 1 \times \frac{1}{97} \times 1 \times \frac{1}{95} \times \dots \times 1 \times \frac{1}{3} \times 1 \times \frac{1}{99} \times \frac{98}{97} \times \frac{96}{95} \times \dots \times \frac{4}{3} \times \frac{2}{1}$$

$$A \div B = A \times \frac{1}{B} = (\frac{100}{99} \times \frac{98}{97} \times \frac{96}{95} \times \dots \times \frac{4}{3} \times \frac{2}{1}) \times (\frac{1}{99} \times \frac{1}{97} \times \frac{1}{95} \times \dots \times \frac{1}{3} \times \frac{1}{99} \times \frac{98}{97} \times \frac{96}{95}) = 100$$

$$\begin{aligned} 1 - \frac{1}{2 - \frac{1}{3 - \frac{1}{4 - \frac{1}{5}}}} &= 1 - \frac{1}{2 - \frac{1}{3 - \frac{1}{\frac{20}{5}}}} = 1 - \frac{1}{2 - \frac{1}{3 - \frac{1}{5}}} = 1 - \frac{1}{2 - \frac{1}{\frac{14}{5}}} = 1 - \frac{1}{2 - \frac{5}{14}} = 1 - \frac{1}{\frac{28}{14} - \frac{5}{14}} = 1 - \frac{1}{\frac{23}{14}} \\ &= 1 - \frac{14}{23} = \frac{23}{23} - \frac{14}{23} = \frac{9}{23} \end{aligned}$$

$$\frac{7}{3} + 5 \times (-\frac{1}{3}) = \frac{7}{3} - 5 \times \frac{1}{3} = \frac{7}{3} - \frac{5}{1} = \frac{7}{3} - \frac{5}{3} = \frac{2}{3} = -11$$

فاصله خانه قورباغه تا برکه $x =$

شماره پرش	۱	۲	۳	۴	۵
مسیر طی شده در پرش	$\frac{1}{3}x$	$\frac{1}{3} \times \frac{2}{3}x = \frac{2}{9}x$	$\frac{1}{3} \times \frac{4}{9}x = \frac{4}{27}x$	$\frac{1}{3} \times \frac{8}{27}x = \frac{8}{81}x$	$\frac{1}{3} \times \frac{16}{81}x = \frac{16}{243}x$
مسیر باقی‌مانده پس از پرش	$\frac{2}{3}x$	$x - (\frac{1}{3}x + \frac{2}{9}x) = \frac{4}{9}x$	$x - (\frac{5}{9}x + \frac{4}{27}x) = \frac{8}{27}x$	$x - (\frac{19}{27}x + \frac{8}{81}x) = \frac{16}{27}x$	$x - (\frac{65}{27}x + \frac{16}{243}x) = \frac{32}{243}x$

$$\frac{32}{243}x = 183 \Rightarrow x = \frac{183 \times 243}{32} = \frac{44469}{32} \approx 1390 \text{ متر}$$

$$-\frac{1}{f} - \frac{1}{\Delta} = -\frac{\Delta}{r_o} - \frac{f}{r_o} = -\frac{q}{r_o} \Rightarrow \boxed{\Delta} = \frac{r_o}{q}$$
$$-\frac{1}{9} - \frac{1}{3} = -\frac{1}{9} - \frac{3}{9} = -\frac{4}{9} \Rightarrow \boxed{-\frac{4}{9}} = q$$

پرسش‌های چهارگزینه‌ای

۱ [گزینہ (۳)]

۲ [گزینہ (۴)

$$5) -r \frac{r}{w} \approx -\Delta / w x$$

۳ [گزینہ (۱)]

$$3) -\frac{15}{4} = -\frac{225}{60}$$

۴ [گزینہ (۴)

۵ [گزینہ (۲)]

$$f) -\frac{2}{9} - \left(-\frac{3}{8}\right) = -\frac{16}{72} + \frac{27}{72} = \frac{11}{72} \checkmark$$

$$3) -\frac{11}{3} + \frac{7}{2} = -\frac{22}{6} + \frac{21}{6} = -\frac{1}{6} \times$$

۶ [گزینہ (۱)]

۷ [گزینہ (۲)]

۸ [گزینہ (۴)

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

$$= 1 - \frac{2}{\frac{1}{3}} = 1 - 2 \div \frac{1}{3} = 1 - 2 \times 3 = 1 - 6 = -5$$

۹ [گزینہ (۳)]

$$-\frac{3V}{r} = -9/25$$

۱۰ [گزینہ (۱)]

$$-\frac{3}{4} \div \frac{-7}{12} = -\frac{13}{4} \div \frac{-7}{12} = \frac{13}{4} \times \frac{12}{7} = \frac{39}{7}$$