

Division rationaler Zahlen



Berechne!

$$1) \quad 0.6 \cdot \left(\frac{-90}{2} \right) : (-18) + \frac{4}{6} =$$

$$2) \quad \frac{-3}{7} : \frac{9}{4} + 0.8 : \frac{5}{20} =$$

$$3) \quad 0.5 \cdot \left(\frac{-80}{2} \right) : (-8) + \frac{4}{2} =$$

$$4) \quad \frac{-8}{2} : \left(\frac{-9}{2} \right) \cdot 0.6 - (-1.6) =$$

$$5) \quad \frac{-3}{3} : \frac{12}{9} - (-1.9) \cdot 5 =$$

$$6) \quad 0.3 \cdot \left(\frac{-90}{6} \right) : (-27) + \frac{6}{3} =$$

$$7) \quad \frac{-9}{5} : (-7.2) - (-1.3) : \frac{130}{70} =$$

$$8) \quad \frac{-9}{4} : \left(\frac{-7}{8} \right) \cdot 2.4 - (-1.3) =$$

$$9) \quad \frac{-6}{5} : \left(\frac{-2}{10} \right) \cdot 2 - (-0.4) =$$

Lösungen: 1) $2 \frac{1}{6}$; 2) $3 \frac{1}{105}$; 3) $4 \frac{1}{2}$; 4) $2 \frac{2}{15}$; 5) $8 \frac{3}{4}$; 6) $2 \frac{1}{6}$; 7) $\frac{19}{20}$; 8) $7 \frac{33}{70}$; 9) $12 \frac{2}{5}$;

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$$1) \quad \frac{-1}{6} : \frac{3}{4} + 0 : \frac{8}{30} =$$

$$2) \quad \frac{6}{10} - \frac{1}{4} : \frac{3}{9} + \left(\frac{-2}{4} \right) =$$

$$3) \quad \frac{-5}{5} : \frac{17}{30} - (-1) \cdot 3 =$$

$$4) \quad \frac{-13}{10} : (-6.5) - (-3.4) : \frac{140}{20} =$$

$$5) \quad 1.8 \cdot \left(\frac{-90}{5} \right) : (-9) + \frac{1}{4} =$$

$$6) \quad 0.9 \cdot \left(\frac{-20}{3} \right) : (-6) + \frac{2}{4} =$$

$$7) \quad \frac{7}{8} - \frac{6}{2} : \frac{6}{6} + \left(\frac{-2}{8} \right) =$$

$$8) \quad \frac{-9}{5} : \frac{4}{35} - (-1.4) \cdot 3 =$$

$$9) \quad \frac{-3}{4} : \frac{6}{1} + 0.9 : \frac{10}{60} =$$

Lösungen: 1) $-\frac{2}{9}$; 2) $-\frac{13}{20}$; 3) $1 \frac{4}{17}$; 4) $\frac{24}{35}$; 5) $3 \frac{17}{20}$; 6) $1 \frac{1}{2}$; 7) $-2 \frac{3}{8}$; 8) $-11 \frac{11}{20}$; 9) $5 \frac{11}{40}$;

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$$1) \quad \frac{-5}{10} : (-2.5) - (-3.2) : \frac{40}{30} =$$

$$2) \quad \frac{-5}{6} : \frac{10}{48} - (-2.2) \cdot 3 =$$

$$3) \quad \frac{15}{2} - \frac{2}{3} : \frac{8}{9} + \left(\frac{-5}{2} \right) =$$

$$4) \quad \frac{-1}{8} : (-0.9) - (-2.3) : \frac{20}{70} =$$

$$5) \quad \frac{16}{10} - \frac{3}{8} : \frac{18}{10} + \left(\frac{-4}{5} \right) =$$

$$6) \quad \frac{-2}{4} : (-1.4) - (-3.2) : \frac{160}{20} =$$

$$7) \quad \frac{-4}{5} : \frac{12}{7} + 1.5 : \frac{10}{50} =$$

$$8) \quad \frac{10}{9} - \frac{5}{5} : \frac{25}{10} + \left(\frac{-3}{5} \right) =$$

$$9) \quad \frac{-2}{5} : \left(\frac{-3}{5} \right) \cdot 2 - (-1.6) =$$

Lösungen: 1) $2 \frac{3}{5}$; 2) $2 \frac{3}{5}$; 3) $4 \frac{1}{4}$; 4) $8 \frac{17}{90}$; 5) $71/120$; 6) $53/70$; 7) $7 \frac{1}{30}$; 8) $1/9$; 9) $2 \frac{14}{15}$;

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Berechne!

$$1) \quad \frac{-1}{2} : \frac{7}{4} - (-1.8) \cdot 4 =$$

$$2) \quad \frac{-3}{5} : \frac{6}{9} + 1 : \frac{5}{30} =$$

$$3) \quad \frac{-6}{6} : \frac{19}{18} - (-1.8) \cdot 2 =$$

$$4) \quad 0.3 \cdot \left(\frac{-70}{8}\right) : (-21) + \frac{9}{3} =$$

$$5) \quad \frac{-3}{2} : \left(\frac{-3}{6}\right) \cdot 1.2 - (-0.1) =$$

$$6) \quad \frac{-3}{6} : \frac{3}{8} + 0 : \frac{5}{100} =$$

$$7) \quad \frac{-4}{6} : \frac{4}{1} + 1.6 : \frac{9}{30} =$$

$$8) \quad 1.7 \cdot \left(\frac{-90}{8}\right) : (-9) + \frac{6}{2} =$$

$$9) \quad \frac{-4}{7} : \frac{12}{6} + 1.4 : \frac{2}{70} =$$

Lösungen: 1) $6 \frac{32}{35}$; 2) $5 \frac{1}{10}$; 3) $2 \frac{62}{95}$; 4) $3 \frac{1}{8}$; 5) $3 \frac{7}{10}$; 6) $-1 \frac{1}{3}$; 7) $5 \frac{1}{6}$; 8) $5 \frac{1}{8}$; 9) $48 \frac{5}{7}$;

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Berechne!

$$1) \quad \frac{-5}{3} : (-2) - (-2.4) : \frac{180}{70} =$$

$$2) \quad \frac{18}{3} - \frac{5}{9} : \frac{25}{4} + \left(\frac{-6}{2} \right) =$$

$$3) \quad \frac{-11}{5} : (-3.3) - (-2.5) : \frac{10}{70} =$$

$$4) \quad \frac{3}{10} - \frac{9}{9} : \frac{36}{6} + \left(\frac{-6}{7} \right) =$$

$$5) \quad \frac{-4}{2} : \left(\frac{-9}{4} \right) \cdot 0.4 - (-0.3) =$$

$$6) \quad \frac{-2}{7} : \frac{6}{5} + 1.4 : \frac{6}{90} =$$

$$7) \quad \frac{1}{3} - \frac{6}{2} : \frac{6}{6} + \left(\frac{-3}{2} \right) =$$

$$8) \quad \frac{-2}{3} : \left(\frac{-6}{6} \right) \cdot 1.2 - (-1) =$$

$$9) \quad \frac{-11}{3} : (-3.3) - (-3.5) : \frac{20}{50} =$$

Lösungen: 1) $1 \frac{23}{30}$; 2) $2 \frac{41}{45}$; 3) $18 \frac{1}{6}$; 4) $-76/105$; 5) $59/90$; 6) $20 \frac{16}{21}$; 7) $-4 \frac{1}{6}$; 8) $1 \frac{4}{5}$; 9) $9 \frac{31}{36}$;