

Smíšená čísla – I

1) Zapiš jako zlomek:

| A | B | C | D |
|--------------------|-------------------|-------------------|-------------------|
| $2\frac{1}{3} =$ | $1\frac{2}{5} =$ | $1\frac{1}{5} =$ | $2\frac{3}{4} =$ |
| $1\frac{3}{4} =$ | $3\frac{1}{6} =$ | $2\frac{3}{7} =$ | $1\frac{1}{9} =$ |
| $4\frac{2}{5} =$ | $2\frac{7}{10} =$ | $5\frac{7}{10} =$ | $3\frac{2}{5} =$ |
| $1\frac{5}{9} =$ | $4\frac{5}{6} =$ | $3\frac{4}{12} =$ | $2\frac{4}{15} =$ |
| $2\frac{7}{100} =$ | $1\frac{9}{50} =$ | $1\frac{8}{9} =$ | $3\frac{2}{11} =$ |

2) Zapiš jako smíšené číslo:

| A | B | C | D |
|-------------------|-------------------|-------------------|-------------------|
| $\frac{5}{2} =$ | $\frac{6}{5} =$ | $\frac{7}{4} =$ | $\frac{12}{7} =$ |
| $\frac{12}{5} =$ | $\frac{20}{7} =$ | $\frac{8}{3} =$ | $\frac{14}{5} =$ |
| $\frac{40}{12} =$ | $\frac{34}{6} =$ | $\frac{60}{7} =$ | $\frac{9}{2} =$ |
| $\frac{56}{3} =$ | $\frac{43}{2} =$ | $\frac{24}{11} =$ | $\frac{41}{4} =$ |
| $\frac{44}{6} =$ | $\frac{55}{12} =$ | $\frac{32}{9} =$ | $\frac{59}{10} =$ |

| 1 | 2 | 3 | 4 | 5 |
|---------|---------|--------|-------|-------|
| 10 - 9 | 8 - 7 | 6 - 4 | 3 - 2 | 1 - 0 |
| 20 - 18 | 17 - 14 | 13 - 8 | 7 - 4 | 3 - 0 |

Smíšená čísla – I - řešení

1) Zapiš jako zlomek:

| A | B | C | D |
|------------------------------------|---------------------------------|---------------------------------|---------------------------------|
| $2\frac{1}{3} = \frac{7}{3}$ | $1\frac{2}{5} = \frac{7}{5}$ | $1\frac{1}{5} = \frac{6}{5}$ | $2\frac{3}{4} = \frac{11}{4}$ |
| $1\frac{3}{4} = \frac{7}{4}$ | $3\frac{1}{6} = \frac{19}{6}$ | $2\frac{3}{7} = \frac{17}{7}$ | $1\frac{1}{9} = \frac{10}{9}$ |
| $4\frac{2}{5} = \frac{22}{5}$ | $2\frac{7}{10} = \frac{27}{10}$ | $5\frac{7}{10} = \frac{57}{10}$ | $3\frac{2}{5} = \frac{17}{5}$ |
| $1\frac{5}{9} = \frac{14}{9}$ | $4\frac{5}{6} = \frac{29}{6}$ | $3\frac{4}{12} = \frac{40}{12}$ | $2\frac{4}{15} = \frac{34}{15}$ |
| $2\frac{7}{100} = \frac{207}{100}$ | $1\frac{9}{50} = \frac{59}{50}$ | $1\frac{8}{9} = \frac{17}{9}$ | $3\frac{2}{11} = \frac{35}{11}$ |

2) Zapiš jako smíšené číslo:

| A | B | C | D |
|--|--|---------------------------------|---------------------------------|
| $\frac{5}{2} = 2\frac{1}{2}$ | $\frac{6}{5} = 1\frac{1}{5}$ | $\frac{7}{4} = 1\frac{3}{4}$ | $\frac{12}{7} = 1\frac{5}{7}$ |
| $\frac{12}{5} = 2\frac{2}{5}$ | $\frac{20}{7} = 2\frac{6}{7}$ | $\frac{8}{3} = 2\frac{2}{3}$ | $\frac{14}{5} = 2\frac{4}{5}$ |
| $\frac{40}{12} = 3\frac{4}{12} = 3\frac{1}{3}$ | $\frac{34}{6} = 5\frac{4}{6} = 5\frac{2}{3}$ | $\frac{60}{7} = 8\frac{4}{7}$ | $\frac{9}{2} = 4\frac{1}{2}$ |
| $\frac{56}{3} = 18\frac{2}{3}$ | $\frac{43}{2} = 21\frac{1}{2}$ | $\frac{24}{11} = 2\frac{2}{11}$ | $\frac{41}{4} = 10\frac{1}{4}$ |
| $\frac{44}{6} = 7\frac{2}{6} = 7\frac{1}{3}$ | $\frac{55}{12} = 4\frac{7}{12}$ | $\frac{32}{9} = 3\frac{5}{9}$ | $\frac{59}{10} = 5\frac{9}{10}$ |

| 1 | 2 | 3 | 4 | 5 |
|---------|---------|--------|-------|-------|
| 10 - 9 | 8 - 7 | 6 - 4 | 3 - 2 | 1 - 0 |
| 20 - 18 | 17 - 14 | 13 - 8 | 7 - 4 | 3 - 0 |

Smíšená čísla – II

Vypočti, výsledek zapiš jako smíšené číslo nebo jako zlomek v základním tvaru.

A

$$3\frac{1}{2} + 2\frac{1}{7} =$$

$$1\frac{1}{7} + 2\frac{1}{2} =$$

$$2\frac{1}{3} - 1\frac{4}{5} =$$

$$4\frac{5}{12} - 3\frac{7}{15} =$$

$$3 - 2\frac{1}{6} =$$

$$5\frac{1}{8} - 2 =$$

$$2 + 6\frac{1}{6} =$$

$$3\frac{1}{3} + 4 =$$

$$1\frac{1}{3} + 1\frac{1}{2} =$$

$$2\frac{2}{5} + 1\frac{3}{4} =$$

$$3\frac{1}{2} + 2\frac{5}{8} =$$

$$4\frac{4}{5} + 2\frac{1}{6} =$$

$$3\frac{2}{3} - 2\frac{9}{10} =$$

$$8\frac{1}{4} - 7\frac{1}{5} =$$

B

$$2\frac{1}{2} + 3\frac{1}{4} =$$

$$2\frac{1}{6} + 1\frac{3}{7} =$$

$$3\frac{1}{5} - 1\frac{3}{4} =$$

$$5\frac{6}{7} - 3\frac{2}{5} =$$

$$4 - 3\frac{1}{4} =$$

$$6\frac{1}{9} - 3 =$$

$$1 + 4\frac{1}{6} =$$

$$2\frac{1}{8} + 3 =$$

$$3\frac{1}{6} + 4\frac{1}{2} =$$

$$2\frac{1}{8} - 1\frac{3}{4} =$$

$$4\frac{3}{10} + 2\frac{1}{6} =$$

$$1\frac{1}{2} + 3\frac{7}{15} =$$

$$5\frac{2}{9} + 4\frac{7}{10} =$$

$$5\frac{8}{9} - 4\frac{11}{12} =$$

| 1 | 2 | 3 | 4 | 5 |
|---------|---------|-------|-------|-------|
| 14 - 13 | 12 - 10 | 9 - 6 | 5 - 3 | 2 - 0 |

Smíšená čísla – II - řešení

Vypočti, výsledek zapiš jako smíšené číslo nebo jako zlomek v základním tvaru:

A

$$3\frac{1}{2} + 2\frac{1}{7} = 5\frac{9}{14}$$

$$1\frac{1}{7} + 2\frac{1}{2} = 3\frac{9}{14}$$

$$2\frac{1}{3} - 1\frac{4}{5} = \frac{8}{15}$$

$$4\frac{5}{12} - 3\frac{7}{15} = \frac{19}{20}$$

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

$$5\frac{1}{8} - 2 = 3\frac{1}{8}$$

$$2 + 6\frac{1}{6} = 8\frac{1}{4}$$

$$3\frac{1}{3} + 4 = 7\frac{1}{3}$$

$$1\frac{1}{3} + 1\frac{1}{2} = 2\frac{5}{6}$$

$$2\frac{2}{5} + 1\frac{3}{4} = 4\frac{3}{20}$$

$$3\frac{1}{2} - 2\frac{5}{8} = \frac{7}{8}$$

$$4\frac{4}{5} + 2\frac{1}{6} = 6\frac{29}{30}$$

$$3\frac{2}{3} - 2\frac{9}{10} = \frac{23}{30}$$

$$8\frac{1}{4} - 7\frac{1}{5} = 1\frac{1}{20}$$

B

$$2\frac{1}{2} + 3\frac{1}{4} = 5\frac{3}{4}$$

$$2\frac{1}{6} + 1\frac{3}{7} = 3\frac{25}{42}$$

$$3\frac{1}{5} - 1\frac{3}{4} = 1\frac{9}{20}$$

$$5\frac{6}{7} - 3\frac{2}{5} = 2\frac{16}{25}$$

$$4 - 3\frac{1}{4} = \frac{3}{4}$$

$$6\frac{1}{9} - 3 = 3\frac{1}{9}$$

$$1 + 4\frac{1}{6} = 5\frac{1}{6}$$

$$2\frac{1}{8} + 3 = 5\frac{1}{8}$$

$$3\frac{1}{6} + 4\frac{1}{2} = 7\frac{2}{3}$$

$$2\frac{1}{8} - 1\frac{3}{4} = 3\frac{1}{2}$$

$$4\frac{3}{10} - 2\frac{1}{6} = 2\frac{2}{15}$$

$$1\frac{1}{2} + 3\frac{7}{15} = 4\frac{29}{30}$$

$$5\frac{2}{9} + 4\frac{7}{10} = 9\frac{83}{90}$$

$$5\frac{8}{9} - 4\frac{11}{12} = \frac{35}{36}$$

| 1 | 2 | 3 | 4 | 5 |
|---------|---------|-------|-------|-------|
| 14 - 13 | 12 - 10 | 9 - 6 | 5 - 3 | 2 - 0 |

Smíšená čísla – III

Vypočti, výsledek zapiš jako smíšené číslo nebo jako zlomek v základním tvaru:

A

$$1\frac{11}{14} \cdot 4\frac{1}{5} =$$

$$7\frac{1}{2} \cdot 6\frac{1}{3} =$$

$$3\frac{1}{3} \cdot 2\frac{1}{6} =$$

$$5\frac{2}{3} \cdot 2\frac{1}{4} =$$

$$6\frac{1}{2} \cdot 1\frac{5}{13} =$$

$$3\frac{1}{2} \cdot 2\frac{1}{4} =$$

$$5\frac{1}{2} \cdot 2\frac{1}{5} =$$

$$2\frac{3}{5} \cdot 1\frac{1}{9} =$$

$$1\frac{1}{4} : 1\frac{1}{2} =$$

$$2\frac{7}{9} : 1\frac{5}{6} =$$

$$3\frac{1}{3} : \frac{4}{15} =$$

$$1\frac{7}{20} : 1\frac{9}{40} =$$

$$\frac{5}{7} : 2\frac{2}{7} =$$

$$2\frac{1}{2} : 3\frac{1}{3} =$$

$$6 : 2\frac{2}{3} =$$

B

$$4\frac{2}{3} \cdot 3\frac{3}{8} =$$

$$\frac{27}{31} \cdot 2\frac{1}{3} =$$

$$2\frac{1}{2} \cdot 4\frac{4}{5} =$$

$$5\frac{2}{3} \cdot 2\frac{1}{4} =$$

$$3\frac{5}{9} \cdot 2\frac{7}{10} =$$

$$\frac{12}{13} \cdot 2\frac{5}{6} =$$

$$\frac{7}{8} \cdot 3\frac{1}{3} =$$

$$6\frac{1}{2} \cdot 1\frac{5}{13} =$$

$$1\frac{1}{8} : 1\frac{3}{10} =$$

$$2\frac{3}{4} : 1\frac{3}{8} =$$

$$4\frac{3}{4} : \frac{3}{8} =$$

$$2\frac{3}{10} : 2\frac{1}{20} =$$

$$\frac{4}{5} : 2\frac{3}{10} =$$

$$1\frac{1}{4} : 4\frac{1}{2} =$$

$$8 : 3\frac{3}{5} =$$

| 1 | 2 | 3 | 4 | 5 |
|---------|---------|-------|-------|-------|
| 14 - 13 | 12 - 10 | 9 - 6 | 5 - 3 | 2 - 0 |

Smíšená čísla – III - řešení

Vypočti, výsledek zapiš jako smíšené číslo nebo jako zlomek v základním tvaru:

A

$$1\frac{11}{14} \cdot 4\frac{1}{5} = 7\frac{1}{2}$$

$$7\frac{1}{2} \cdot 6\frac{1}{3} = 47\frac{1}{2}$$

$$3\frac{1}{3} \cdot 2\frac{1}{6} = 7\frac{2}{9}$$

$$5\frac{2}{3} \cdot 2\frac{1}{4} = 12\frac{3}{4}$$

$$6\frac{1}{2} \cdot 1\frac{5}{13} = 9$$

$$3\frac{1}{2} \cdot 2\frac{1}{4} = 7\frac{7}{8}$$

$$5\frac{1}{2} \cdot \frac{5}{22} = 1\frac{1}{4}$$

$$2\frac{3}{5} \cdot 1\frac{1}{9} = 2\frac{8}{9}$$

$$1\frac{1}{4} : 1\frac{1}{2} = 1\frac{2}{3}$$

$$2\frac{7}{9} : 1\frac{5}{6} = 1\frac{17}{30}$$

$$3\frac{1}{3} : \frac{4}{15} = 12\frac{1}{2}$$

$$1\frac{7}{20} : 1\frac{9}{40} = \frac{27}{49}$$

$$\frac{5}{7} : 2\frac{2}{7} = \frac{5}{16}$$

$$2\frac{1}{2} : 3\frac{1}{3} = \frac{3}{4}$$

$$6 : 2\frac{2}{3} = 2\frac{1}{4}$$

B

$$4\frac{2}{3} \cdot 3\frac{3}{8} = 15\frac{3}{4}$$

$$\frac{27}{31} \cdot 2\frac{1}{3} = 2\frac{2}{31}$$

$$2\frac{1}{2} \cdot 4\frac{4}{5} = 12$$

$$5\frac{2}{3} \cdot 6 = 34$$

$$3\frac{5}{9} \cdot 2\frac{7}{10} = 9\frac{4}{5}$$

$$\frac{12}{13} \cdot 2\frac{5}{6} = 2\frac{8}{13}$$

$$\frac{7}{8} \cdot 3\frac{1}{3} = 2\frac{11}{12}$$

$$6\frac{1}{2} \cdot 1\frac{5}{13} = 9$$

$$1\frac{1}{8} : 1\frac{3}{10} = 3\frac{6}{13}$$

$$2\frac{3}{4} : 1\frac{3}{8} = 2$$

$$4\frac{3}{4} : \frac{3}{8} = 12\frac{2}{3}$$

$$2\frac{3}{10} : 2\frac{1}{20} = \frac{23}{41}$$

$$\frac{4}{5} : 2\frac{3}{10} = \frac{8}{23}$$

$$1\frac{1}{4} : 4\frac{1}{2} = \frac{5}{18}$$

$$8 : 3\frac{3}{5} = 2\frac{2}{9}$$

| 1 | 2 | 3 | 4 | 5 |
|---------|---------|-------|-------|-------|
| 14 - 13 | 12 - 10 | 9 - 6 | 5 - 3 | 2 - 0 |