Faktorisieren von Ausdrücken Name:

Faktorisieren Sie jeden Ausdruck vollständig.

1) $\frac{20}{40}b - \frac{16}{20} =$ _____

2) $-\frac{8}{15}c - \frac{4}{15} =$ _____

3) $\frac{12}{48}d + \frac{9}{16} =$ _____

4) $-\frac{12}{40}e - \frac{14}{10} =$ _____

5) $-\frac{15}{56}f + \frac{15}{56} =$ _____

6) $\frac{6}{56}g + \frac{2}{40} =$ _____

7) $\frac{21}{54}h - \frac{3}{18} =$ _____

8) $\frac{4}{40}i + \frac{28}{35} =$ _____

9) $-\frac{9}{72}j - \frac{18}{72} =$ _____

10) $\frac{16}{36}k + \frac{6}{12} =$ _____

Antworten

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Faktorisieren Sie jeden Ausdruck vollständig.

1) $\frac{20}{40}b - \frac{16}{20} = \frac{4}{20}(\frac{5}{2}b - \frac{4}{1})$

2) $-\frac{8}{15}c - \frac{4}{15} = -\frac{4}{15}(\frac{2}{1}c + \frac{1}{1})$

3) $\frac{12}{48}d + \frac{9}{16} = \frac{3}{16}(\frac{4}{3}d + \frac{3}{1})$

4) $-\frac{12}{40}e - \frac{14}{10} = -\frac{2}{10}(\frac{6}{4}e + \frac{7}{1})$

5) $-\frac{15}{56}f + \frac{15}{56} = -\frac{15}{56}(\frac{1}{1}f - \frac{1}{1})$

6) $\frac{6}{56}g + \frac{2}{40} = \frac{2}{8}(\frac{3}{7}g + \frac{1}{5})$

7) $\frac{21}{54}h - \frac{3}{18} = \frac{3}{18}(\frac{7}{3}h - \frac{1}{1})$

8) $\frac{4}{40}i + \frac{28}{35} = \frac{4}{5}(\frac{1}{8}i + \frac{7}{7})$

9) $-\frac{9}{72}j - \frac{18}{72} = -\frac{9}{72}(\frac{1}{1}j + \frac{2}{1})$

10) $\frac{16}{36}k + \frac{6}{12} = \frac{2}{12}(\frac{8}{3}k + \frac{3}{1})$

Antworten

1. $\frac{4}{20}(\frac{5}{2}b - \frac{4}{1})$
2. $-\frac{4}{15}(\frac{2}{1}c + \frac{1}{1})$
3. $\frac{3}{16}(\frac{4}{3}d + \frac{3}{1})$
4. $-\frac{2}{10}(\frac{6}{4}e + \frac{7}{1})$
5. $-\frac{15}{56}(\frac{1}{1}f - \frac{1}{1})$
6. $\frac{2}{8}(\frac{3}{7}g + \frac{1}{5})$
7. $\frac{3}{18}(\frac{7}{3}h - \frac{1}{1})$
8. $\frac{4}{5}(\frac{1}{8}i + \frac{7}{7})$
9. $-\frac{9}{72}(\frac{1}{1}j + \frac{2}{1})$
10. $\frac{2}{12}(\frac{8}{3}k + \frac{3}{1})$

1-10	90	80	70	60	50	40	30	20	10	0