Factor each expression completely.

1) $-\frac{4}{18}b+\frac{4}{54}$ = _____

2) $-\frac{12}{24}c-\frac{12}{12}$ = _____

3) $\frac{4}{42}d+\frac{8}{28}$ = _____

4) $-\frac{8}{36}e-\frac{12}{36}$ = _____

5) $-\frac{8}{32}f+\frac{12}{48}$ = _____

6) $-\frac{3}{16}g+\frac{3}{56}$ = _____

7) $\frac{20}{30}h+\frac{12}{45}$ = _____

8) $\frac{12}{36}i+\frac{16}{20}$ = _____

9) $-\frac{6}{32}j+\frac{3}{32}$ = _____

10) $-\frac{4}{21}k+\frac{8}{35}$ = _____

Answers

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

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

Factor each expression completely.

1) $-\frac{4}{18}b+\frac{4}{54}$ = $-\frac{4}{18}(\frac{1}{1}b-\frac{1}{3})$

2) $-\frac{12}{24}c-\frac{12}{12}$ = $-\frac{12}{12}(\frac{1}{2}c+\frac{1}{1})$

3) $\frac{4}{42}d+\frac{8}{28}$ = $\frac{4}{14}(\frac{1}{3}d+\frac{2}{2})$

4) $-\frac{8}{36}e-\frac{12}{36}$ = $-\frac{4}{36}(\frac{2}{1}e+\frac{3}{1})$

5) $-\frac{8}{32}f+\frac{12}{48}$ = $-\frac{4}{16}(\frac{2}{2}f-\frac{3}{3})$

6) $-\frac{3}{16}g+\frac{3}{56}$ = $-\frac{3}{8}(\frac{1}{2}g-\frac{1}{7})$

7) $\frac{20}{30}h+\frac{12}{45}$ = $\frac{4}{15}(\frac{5}{2}h+\frac{3}{3})$

8) $\frac{12}{36}i+\frac{16}{20}$ = $\frac{4}{4}(\frac{3}{9}i+\frac{4}{5})$

9) $-\frac{6}{32}j+\frac{3}{32}$ = $-\frac{3}{32}(\frac{2}{1}j-\frac{1}{1})$

10) $-\frac{4}{21}k+\frac{8}{35}$ = $-\frac{4}{7}(\frac{1}{3}k-\frac{2}{5})$

Answers

1. $-\frac{4}{18}(\frac{1}{1}b-\frac{1}{3})$
2. $-\frac{12}{12}(\frac{1}{2}c+\frac{1}{1})$
3. $\frac{4}{14}(\frac{1}{3}d+\frac{2}{2})$
4. $-\frac{4}{36}(\frac{2}{1}e+\frac{3}{1})$
5. $-\frac{4}{16}(\frac{2}{2}f-\frac{3}{3})$
6. $-\frac{3}{8}(\frac{1}{2}g-\frac{1}{7})$
7. $\frac{4}{15}(\frac{5}{2}h+\frac{3}{3})$
8. $\frac{4}{4}(\frac{3}{9}i+\frac{4}{5})$
9. $-\frac{3}{32}(\frac{2}{1}j-\frac{1}{1})$
10. $-\frac{4}{7}(\frac{1}{3}k-\frac{2}{5})$

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