Factor each expression completely.

1) $-\frac{9}{25}b-\frac{3}{20}$ = _____

2) $\frac{8}{42}c+\frac{2}{42}$ = _____

3) $-\frac{12}{72}d+\frac{14}{18}$ = _____

4) $-\frac{2}{45}e+\frac{14}{30}$ = _____

5) $\frac{14}{36}f-\frac{12}{28}$ = _____

6) $-\frac{20}{72}g-\frac{20}{64}$ = _____

7) $\frac{2}{12}h+\frac{2}{48}$ = _____

8) $\frac{15}{56}i+\frac{3}{32}$ = _____

9) $\frac{6}{48}j-\frac{9}{16}$ = _____

10) $-\frac{3}{32}k-\frac{3}{32}$ = _____

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) $-\frac{9}{25}b-\frac{3}{20}$ = $-\frac{3}{5}(\frac{3}{5}b+\frac{1}{4})$

2) $\frac{8}{42}c+\frac{2}{42}$ = $\frac{2}{42}(\frac{4}{1}c+\frac{1}{1})$

3) $-\frac{12}{72}d+\frac{14}{18}$ = $-\frac{2}{18}(\frac{6}{4}d-\frac{7}{1})$

4) $-\frac{2}{45}e+\frac{14}{30}$ = $-\frac{2}{15}(\frac{1}{3}e-\frac{7}{2})$

5) $\frac{14}{36}f-\frac{12}{28}$ = $\frac{2}{4}(\frac{7}{9}f-\frac{6}{7})$

6) $-\frac{20}{72}g-\frac{20}{64}$ = $-\frac{20}{8}(\frac{1}{9}g+\frac{1}{8})$

7) $\frac{2}{12}h+\frac{2}{48}$ = $\frac{2}{12}(\frac{1}{1}h+\frac{1}{4})$

8) $\frac{15}{56}i+\frac{3}{32}$ = $\frac{3}{8}(\frac{5}{7}i+\frac{1}{4})$

9) $\frac{6}{48}j-\frac{9}{16}$ = $\frac{3}{16}(\frac{2}{3}j-\frac{3}{1})$

10) $-\frac{3}{32}k-\frac{3}{32}$ = $-\frac{3}{32}(\frac{1}{1}k+\frac{1}{1})$

Answers

1. $-\frac{3}{5}(\frac{3}{5}b+\frac{1}{4})$
2. $\frac{2}{42}(\frac{4}{1}c+\frac{1}{1})$
3. $-\frac{2}{18}(\frac{6}{4}d-\frac{7}{1})$
4. $-\frac{2}{15}(\frac{1}{3}e-\frac{7}{2})$
5. $\frac{2}{4}(\frac{7}{9}f-\frac{6}{7})$
6. $-\frac{20}{8}(\frac{1}{9}g+\frac{1}{8})$
7. $\frac{2}{12}(\frac{1}{1}h+\frac{1}{4})$
8. $\frac{3}{8}(\frac{5}{7}i+\frac{1}{4})$
9. $\frac{3}{16}(\frac{2}{3}j-\frac{3}{1})$
10. $-\frac{3}{32}(\frac{1}{1}k+\frac{1}{1})$

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