Esercizi sulla riduzione di frazioni allo stesso denominatore

A. Ridurre le seguenti terne di frazioni allo stesso minimo comune denominatore (m.c.d.):

1. $\frac{5}{6}\ ;\ \frac{8}{9}\ ;\ \frac{10}{3}$

$$\left[\frac{15}{18}\ ;\ \frac{16}{18}\ ;\ \frac{60}{18}\right]$$

2. $\frac{16}{15}\ ;\ \frac{7}{30}\ ;\ \frac{4}{45}$

$$\left[\frac{96}{90}\ ;\ \frac{21}{90}\ ;\ \frac{8}{90}\right]$$

3. $\frac{13}{40}\ ;\ \frac{17}{20}\ ;\ \frac{30}{50}$

$$\left[\frac{13}{40}\ ;\ \frac{34}{40}\ ;\ \frac{24}{40}\right]$$

4. $\frac{28}{70}\ ;\ \frac{14}{140}\ ;\ \frac{15}{14}$

$$\left[\frac{28}{70}\ ;\ \frac{7}{70}\ ;\ \frac{75}{70}\right]$$

5. $\frac{24}{25}\ ;\ \frac{20}{45}\ ;\ \frac{8}{75}$

$$\left[\frac{216}{225}\ ;\ \frac{100}{225}\ ;\ \frac{24}{225}\right]$$

6. $\frac{45}{48}\ ;\ \frac{72}{60}\ ;\ \frac{25}{14}$

$$\left[\frac{525}{560}\ ;\ \frac{672}{560}\ ;\ \frac{1000}{560}\right]$$

7. $\frac{90}{8}\ ;\ \frac{49}{4}\ ;\ \frac{100}{3}$

$$\left[\frac{135}{12}\ ;\ \frac{147}{12}\ ;\ \frac{400}{12}\right]$$

8. $\frac{14}{49}\ ;\ \frac{6}{48}\ ;\ \frac{10}{50}$

$$\left[\frac{80}{280}\ ;\ \frac{35}{280}\ ;\ \frac{56}{280}\right]$$

9. $\frac{120}{70}\ ;\ \frac{81}{4}\ ;\ \frac{29}{203}$

$$\left[\frac{48}{28}\ ;\ \frac{567}{28}\ ;\ \frac{4}{28}\right]$$

10. $\frac{28}{150}\ ;\ \frac{33}{90}\ ;\ \frac{30}{7}$

$$\left[\frac{196}{1050}\ ;\ \frac{385}{1050}\ ;\ \frac{4500}{1050}\right]$$

11. $\frac{100}{45}\ ;\ \frac{21}{70}\ ;\ \frac{48}{180}$

$$\left[\frac{200}{90}\ ;\ \frac{27}{90}\ ;\ \frac{24}{90}\right]$$

12. $\frac{375}{125}\ ;\ \frac{500}{725}\ ;\ \frac{275}{475}$

$$\left[\frac{1653}{551}\ ;\ \frac{380}{551}\ ;\ \frac{319}{551}\right]$$

B. Ridurre le frazioni dei seguenti gruppi allo stesso minimo comune denominatore (m.c.d.):

13. $\frac{3}{4}\ ;\ \frac{7}{12}\ ;\ \frac{9}{18}\ ;\ \frac{10}{24}$

$\left[\frac{9}{12}\ ;\ \frac{7}{12}\ ;\ \frac{6}{12}\ ;\ \frac{5}{12}\right]$

14. $\frac{10}{7}\ ;\ \frac{21}{14}\ ;\ \frac{49}{28}\ ;\ \frac{15}{21}$

$\left[\frac{40}{28}\ ;\ \frac{42}{28}\ ;\ \frac{49}{28}\ ;\ \frac{20}{28}\right]$

15. $\frac{13}{39}\ ;\ \frac{17}{51}\ ;\ \frac{24}{120}\ ;\ \frac{45}{75}$

$\left[\frac{5}{15}\ ;\ \frac{5}{15}\ ;\ \frac{3}{15}\ ;\ \frac{9}{15}\right]$

16. $\frac{12}{17}\ ;\ \frac{49}{98}\ ;\ \frac{2}{68}\ ;\ \frac{45}{90}$

$\left[\frac{24}{34}\ ;\ \frac{17}{34}\ ;\ \frac{1}{34}\ ;\ \frac{17}{34}\right]$

17. $\frac{120}{45}\ ;\ \frac{48}{90}\ ;\ \frac{95}{15}\ ;\ \frac{28}{40}$

$\left[\frac{80}{30}\ ;\ \frac{16}{30}\ ;\ \frac{190}{30}\ ;\ \frac{21}{30}\right]$

18. $\frac{25}{75}\ ;\ \frac{51}{102}\ ;\ \frac{15}{75};\ \frac{7}{49}$

$\left[\frac{70}{210}\ ;\ \frac{105}{210}\ ;\ \frac{42}{210}\ ;\ \frac{30}{210}\right]$

19. $\frac{3}{4}\ ;\ \frac{5}{15}\ ;\ \frac{12}{27}\ ;\ \frac{4}{16}\ ;\ \frac{12}{36}$

$\left[\frac{27}{36}\ ;\ \frac{12}{36}\ ;\ \frac{16}{36}\ ;\ \frac{9}{36}\ ;\ \frac{12}{36}\right]$

20. $\frac{8}{36}\ ;\ \frac{5}{7}\ ;\ \frac{49}{14}\ ;\ \frac{90}{48}\ ;\ \frac{47}{94}$

$\left[\frac{112}{504}\ ;\ \frac{360}{504}\ ;\ \frac{1764}{504}\ ;\ \frac{945}{504}\ ;\ \frac{252}{504}\right]$

21. $\frac{28}{84}\ ;\ \frac{105}{75}\ ;\ \frac{21}{45}\ ;\ \frac{13}{17}\ ;\ \frac{2}{3}$

$\left[\frac{85}{255}\ ;\ \frac{357}{255}\ ;\ \frac{119}{255}\ ;\ \frac{195}{255}\ ;\ \frac{170}{255}\right]$

22. $\frac{5}{16}\ ;\ \frac{23}{8}\ ;\ \frac{47}{188}\ ;\ \frac{127}{254}\ ;\ \frac{49}{392}$

$\left[\frac{5}{16}\ ;\ \frac{46}{16}\ ;\ \frac{4}{16}\ ;\ \frac{8}{16}\ ;\ \frac{2}{16}\right]$

23. $\frac{26}{30}\ ;\ \frac{27}{48}\ ;\ \frac{32}{88}\ ;\ \frac{23}{11}\ ;\ \frac{35}{105}$

$\left[\frac{2288}{2640}\ ;\ \frac{1485}{2640}\ ;\ \frac{960}{2640}\ ;\ \frac{5520}{2640}\ ;\ \frac{880}{2640}\right]$

24. $\frac{1000}{45}\ ;\ \frac{450}{48}\ ;\ \frac{280}{36}\ ;\ \frac{460}{23}\ ;\ \frac{33}{990}$

$\left[\frac{8000}{360}\ ;\ \frac{3375}{360}\ ;\ \frac{2800}{360}\ ;\ \frac{7200}{360}\ ;\ \frac{12}{360}\right]$