



Determina se ogni problema, quando convertito in un decimale, risulterà in un decimale ripetuto (R) o finale (T).

Risposte

A fraction will result in a **terminating** decimal if the prime factors of the simplified denominator contain only 2s or 5s (or only 2s and 5s).

$$\frac{6}{40} = \frac{3}{20} = 2 \times 2 \times 5 = 0.15$$

A fraction will result in a **repeating** decimal if the prime factors of the simplified denominator contain any prime factor other than 2 or 5.

$$\frac{5}{42} = 2 \times 3 \times 7 = 0.\overline{1190476}$$

1) $\frac{5}{23} =$ _____

2) $\frac{21}{25} =$ _____

3) $\frac{7}{13} =$ _____

4) $73 : 30 =$ _____

5) $61 : 7 =$ _____

6) $\frac{10}{24} =$ _____

7) $77 : 8 =$ _____

8) $\frac{3}{4} =$ _____

9) $\frac{8}{9} =$ _____

10) $107 : 15 =$ _____

11) $40 : 6 =$ _____

12) $\frac{16}{29} =$ _____

13) $139 : 22 =$ _____

14) $86 : 26 =$ _____

15) $\frac{13}{21} =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____



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Risposte

- 1) $\frac{5}{23} = \underline{\hspace{2cm}23}$
- 2) $\frac{21}{25} = \underline{\hspace{2cm}5 \times 5}$
- 3) $\frac{7}{13} = \underline{\hspace{2cm}13}$
- 4) $73 : 30 = \underline{\hspace{2cm}2 \times 3 \times 5}$
- 5) $61 : 7 = \underline{\hspace{2cm}7}$
- 6) $\frac{10}{24} = \underline{\hspace{2cm}2 \times 2 \times 3}$
- 7) $77 : 8 = \underline{\hspace{2cm}2 \times 2 \times 2}$
- 8) $\frac{3}{4} = \underline{\hspace{2cm}2 \times 2}$
- 9) $\frac{8}{9} = \underline{\hspace{2cm}3 \times 3}$
- 10) $107 : 15 = \underline{\hspace{2cm}3 \times 5}$
- 11) $40 : 6 = \underline{\hspace{2cm}3}$
- 12) $\frac{16}{29} = \underline{\hspace{2cm}29}$
- 13) $139 : 22 = \underline{\hspace{2cm}2 \times 11}$
- 14) $86 : 26 = \underline{\hspace{2cm}13}$
- 15) $\frac{13}{21} = \underline{\hspace{2cm}3 \times 7}$

1. **R**
2. **T**
3. **R**
4. **R**
5. **R**
6. **R**
7. **T**
8. **T**
9. **R**
10. **R**
11. **R**
12. **R**
13. **R**
14. **R**
15. **R**