



**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.

$$\frac{5}{42} = 2 \times 3 \times 7 = 0.1\overline{190476}$$

- 1)  $\frac{22}{27} =$  \_\_\_\_\_
- 2)  $\frac{8}{28} =$  \_\_\_\_\_
- 3)  $\frac{10}{20} =$  \_\_\_\_\_
- 4)  $\frac{5}{16} =$  \_\_\_\_\_
- 5)  $62 : 13 =$  \_\_\_\_\_
- 6)  $63 : 6 =$  \_\_\_\_\_
- 7)  $73 : 11 =$  \_\_\_\_\_
- 8)  $\frac{17}{29} =$  \_\_\_\_\_
- 9)  $\frac{10}{19} =$  \_\_\_\_\_
- 10)  $\frac{17}{24} =$  \_\_\_\_\_
- 11)  $78 : 15 =$  \_\_\_\_\_
- 12)  $206 : 21 =$  \_\_\_\_\_
- 13)  $101 : 10 =$  \_\_\_\_\_
- 14)  $64 : 7 =$  \_\_\_\_\_
- 15)  $\frac{3}{26} =$  \_\_\_\_\_

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14. \_\_\_\_\_
15. \_\_\_\_\_



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$$\frac{5}{42} = 2 \times 3 \times 7 = 0.1\overline{190476}$$

1)  $\frac{22}{27} = \underline{3 \times 3 \times 3}$

2)  $\frac{8}{28} = \underline{7}$

3)  $\frac{10}{20} = \underline{2}$

4)  $\frac{5}{16} = \underline{2 \times 2 \times 2 \times 2}$

5)  $62 : 13 = \underline{13}$

6)  $63 : 6 = \underline{2}$

7)  $73 : 11 = \underline{11}$

8)  $\frac{17}{29} = \underline{29}$

9)  $\frac{10}{19} = \underline{19}$

10)  $\frac{17}{24} = \underline{2 \times 2 \times 2 \times 3}$

11)  $78 : 15 = \underline{5}$

12)  $206 : 21 = \underline{3 \times 7}$

13)  $101 : 10 = \underline{2 \times 5}$

14)  $64 : 7 = \underline{7}$

15)  $\frac{3}{26} = \underline{2 \times 13}$

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