



**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)  $\frac{7}{30} =$  \_\_\_\_\_
- 2)  $\frac{12}{13} =$  \_\_\_\_\_
- 3)  $182 : 25 =$  \_\_\_\_\_
- 4)  $\frac{4}{12} =$  \_\_\_\_\_
- 5)  $\frac{24}{29} =$  \_\_\_\_\_
- 6)  $201 : 22 =$  \_\_\_\_\_
- 7)  $82 : 8 =$  \_\_\_\_\_
- 8)  $\frac{2}{3} =$  \_\_\_\_\_
- 9)  $51 : 21 =$  \_\_\_\_\_
- 10)  $\frac{6}{16} =$  \_\_\_\_\_
- 11)  $255 : 26 =$  \_\_\_\_\_
- 12)  $\frac{1}{5} =$  \_\_\_\_\_
- 13)  $\frac{3}{4} =$  \_\_\_\_\_
- 14)  $148 : 15 =$  \_\_\_\_\_
- 15)  $\frac{18}{28} =$  \_\_\_\_\_

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



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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)  $\frac{7}{30} = \underline{2 \times 3 \times 5}$
- 2)  $\frac{12}{13} = \underline{13}$
- 3)  $182 : 25 = \underline{5 \times 5}$
- 4)  $\frac{4}{12} = \underline{3}$
- 5)  $\frac{24}{29} = \underline{29}$
- 6)  $201 : 22 = \underline{2 \times 11}$
- 7)  $82 : 8 = \underline{2 \times 2}$
- 8)  $\frac{2}{3} = \underline{3}$
- 9)  $51 : 21 = \underline{7}$
- 10)  $\frac{6}{16} = \underline{2 \times 2 \times 2}$
- 11)  $255 : 26 = \underline{2 \times 13}$
- 12)  $\frac{1}{5} = \underline{5}$
- 13)  $\frac{3}{4} = \underline{2 \times 2}$
- 14)  $148 : 15 = \underline{3 \times 5}$
- 15)  $\frac{18}{28} = \underline{2 \times 7}$

**Risposte**

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