



Déterminez si chaque problème converti en nombre décimal se traduira par un nombre décimal répétitif (R) ou final (T).

**Réponses**

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)  $\frac{21}{26} =$  \_\_\_\_\_
- 2)  $\frac{9}{22} =$  \_\_\_\_\_
- 3)  $\frac{12}{16} =$  \_\_\_\_\_
- 4)  $\frac{7}{30} =$  \_\_\_\_\_
- 5)  $23 \div 7 =$  \_\_\_\_\_
- 6)  $\frac{3}{6} =$  \_\_\_\_\_
- 7)  $185 \div 19 =$  \_\_\_\_\_
- 8)  $\frac{16}{18} =$  \_\_\_\_\_
- 9)  $43 \div 14 =$  \_\_\_\_\_
- 10)  $142 \div 27 =$  \_\_\_\_\_
- 11)  $\frac{3}{8} =$  \_\_\_\_\_
- 12)  $79 \div 10 =$  \_\_\_\_\_
- 13)  $37 \div 15 =$  \_\_\_\_\_
- 14)  $73 \div 11 =$  \_\_\_\_\_
- 15)  $\frac{2}{5} =$  \_\_\_\_\_

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



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

- 1)  $\frac{21}{26} = \underline{2 \times 13}$
- 2)  $\frac{9}{22} = \underline{2 \times 11}$
- 3)  $\frac{12}{16} = \underline{2 \times 2}$
- 4)  $\frac{7}{30} = \underline{2 \times 3 \times 5}$
- 5)  $23 \div 7 = \underline{7}$
- 6)  $\frac{3}{6} = \underline{2}$
- 7)  $185 \div 19 = \underline{19}$
- 8)  $\frac{16}{18} = \underline{3 \times 3}$
- 9)  $43 \div 14 = \underline{2 \times 7}$
- 10)  $142 \div 27 = \underline{3 \times 3 \times 3}$
- 11)  $\frac{3}{8} = \underline{2 \times 2 \times 2}$
- 12)  $79 \div 10 = \underline{2 \times 5}$
- 13)  $37 \div 15 = \underline{3 \times 5}$
- 14)  $73 \div 11 = \underline{11}$
- 15)  $\frac{2}{5} = \underline{5}$

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