



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)  $\frac{18}{27} =$  \_\_\_\_\_

2)  $\frac{3}{8} =$  \_\_\_\_\_

3)  $196 : 24 =$  \_\_\_\_\_

4)  $\frac{10}{28} =$  \_\_\_\_\_

5)  $71 : 22 =$  \_\_\_\_\_

6)  $82 : 14 =$  \_\_\_\_\_

7)  $60 : 21 =$  \_\_\_\_\_

8)  $\frac{3}{5} =$  \_\_\_\_\_

9)  $15 : 4 =$  \_\_\_\_\_

10)  $\frac{1}{2} =$  \_\_\_\_\_

11)  $33 : 7 =$  \_\_\_\_\_

12)  $\frac{4}{6} =$  \_\_\_\_\_

13)  $\frac{14}{30} =$  \_\_\_\_\_

14)  $\frac{2}{17} =$  \_\_\_\_\_

15)  $80 : 9 =$  \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

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

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



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**Risposte**

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

1)  $\frac{18}{27} = \underline{\hspace{2cm} 3 \hspace{2cm}}$

2)  $\frac{3}{8} = \underline{\hspace{2cm} 2 \times 2 \times 2 \hspace{2cm}}$

3)  $196 : 24 = \underline{\hspace{2cm} 2 \times 3 \hspace{2cm}}$

4)  $\frac{10}{28} = \underline{\hspace{2cm} 2 \times 7 \hspace{2cm}}$

5)  $71 : 22 = \underline{\hspace{2cm} 2 \times 11 \hspace{2cm}}$

6)  $82 : 14 = \underline{\hspace{2cm} 7 \hspace{2cm}}$

7)  $60 : 21 = \underline{\hspace{2cm} 7 \hspace{2cm}}$

8)  $\frac{3}{5} = \underline{\hspace{2cm} 5 \hspace{2cm}}$

9)  $15 : 4 = \underline{\hspace{2cm} 2 \times 2 \hspace{2cm}}$

10)  $\frac{1}{2} = \underline{\hspace{2cm} 2 \hspace{2cm}}$

11)  $33 : 7 = \underline{\hspace{2cm} 7 \hspace{2cm}}$

12)  $\frac{4}{6} = \underline{\hspace{2cm} 3 \hspace{2cm}}$

13)  $\frac{14}{30} = \underline{\hspace{2cm} 3 \times 5 \hspace{2cm}}$

14)  $\frac{2}{17} = \underline{\hspace{2cm} 17 \hspace{2cm}}$

15)  $80 : 9 = \underline{\hspace{2cm} 3 \times 3 \hspace{2cm}}$