



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) $156 : 16 =$ _____

1. _____

2) $\frac{20}{29} =$ _____

2. _____

3) $68 : 25 =$ _____

3. _____

4) $\frac{8}{11} =$ _____

4. _____

5) $202 : 20 =$ _____

5. _____

6) $\frac{2}{3} =$ _____

6. _____

7) $\frac{4}{23} =$ _____

7. _____

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

8. _____

9) $186 : 24 =$ _____

9. _____

10) $\frac{2}{6} =$ _____

10. _____

11) $127 : 26 =$ _____

11. _____

12) $\frac{7}{21} =$ _____

12. _____

13) $36 : 17 =$ _____

13. _____

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

14. _____

15) $7 : 2 =$ _____

15. _____



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Risposte

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

1) $156 : 16 = \underline{\hspace{2cm} 2 \times 2 }$

2) $\frac{20}{29} = \underline{\hspace{2cm} 29 }$

3) $68 : 25 = \underline{\hspace{2cm} 5 \times 5 }$

4) $\frac{8}{11} = \underline{\hspace{2cm} 11 }$

5) $202 : 20 = \underline{\hspace{2cm} 2 \times 5 }$

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

7) $\frac{4}{23} = \underline{\hspace{2cm} 23 }$

8) $\frac{8}{9} = \underline{\hspace{2cm} 3 \times 3 }$

9) $186 : 24 = \underline{\hspace{2cm} 2 \times 2 }$

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

11) $127 : 26 = \underline{\hspace{2cm} 2 \times 13 }$

12) $\frac{7}{21} = \underline{\hspace{2cm} 3 }$

13) $36 : 17 = \underline{\hspace{2cm} 17 }$

14) $\frac{3}{4} = \underline{\hspace{2cm} 2 \times 2 }$

15) $7 : 2 = \underline{\hspace{2cm} 2 }$