



Determine si cada problema, cuando se convierte a decimal, dará como resultado un decimal periódico(P) o exacto (E).

**Respuestas**

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)  $31 \div 3 =$  \_\_\_\_\_

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

3)  $107 \div 28 =$  \_\_\_\_\_

4)  $\frac{4}{7} =$  \_\_\_\_\_

5)  $\frac{5}{13} =$  \_\_\_\_\_

6)  $\frac{7}{22} =$  \_\_\_\_\_

7)  $153 \div 25 =$  \_\_\_\_\_

8)  $271 \div 26 =$  \_\_\_\_\_

9)  $99 \div 24 =$  \_\_\_\_\_

10)  $\frac{7}{12} =$  \_\_\_\_\_

11)  $\frac{1}{4} =$  \_\_\_\_\_

12)  $166 \div 27 =$  \_\_\_\_\_

13)  $\frac{7}{8} =$  \_\_\_\_\_

14)  $\frac{7}{15} =$  \_\_\_\_\_

15)  $\frac{16}{23} =$  \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

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

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

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

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



Determine si cada problema, cuando se convierte a decimal, dará como resultado un decimal periódico(P) o exacto (E).

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)  $31 \div 3 = \underline{3}$

2)  $\frac{1}{2} = \underline{2}$

3)  $107 \div 28 = \underline{2 \times 2 \times 7}$

4)  $\frac{4}{7} = \underline{7}$

5)  $\frac{5}{13} = \underline{13}$

6)  $\frac{7}{22} = \underline{2 \times 11}$

7)  $153 \div 25 = \underline{5 \times 5}$

8)  $271 \div 26 = \underline{2 \times 13}$

9)  $99 \div 24 = \underline{2 \times 2 \times 2}$

10)  $\frac{7}{12} = \underline{2 \times 2 \times 3}$

11)  $\frac{1}{4} = \underline{2 \times 2}$

12)  $166 \div 27 = \underline{3 \times 3 \times 3}$

13)  $\frac{7}{8} = \underline{2 \times 2 \times 2}$

14)  $\frac{7}{15} = \underline{3 \times 5}$

15)  $\frac{16}{23} = \underline{23}$

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