



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)  $\frac{2}{5} =$  \_\_\_\_\_

2)  $47 \div 9 =$  \_\_\_\_\_

3)  $141 \div 16 =$  \_\_\_\_\_

4)  $108 \div 11 =$  \_\_\_\_\_

5)  $\frac{9}{17} =$  \_\_\_\_\_

6)  $\frac{12}{28} =$  \_\_\_\_\_

7)  $\frac{8}{20} =$  \_\_\_\_\_

8)  $\frac{2}{26} =$  \_\_\_\_\_

9)  $7 \div 2 =$  \_\_\_\_\_

10)  $151 \div 30 =$  \_\_\_\_\_

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

12)  $\frac{12}{13} =$  \_\_\_\_\_

13)  $\frac{4}{14} =$  \_\_\_\_\_

14)  $92 \div 21 =$  \_\_\_\_\_

15)  $10 \div 4 =$  \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

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

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

1)  $\frac{2}{5} = \underline{5}$

2)  $47 \div 9 = \underline{3 \times 3}$

3)  $141 \div 16 = \underline{2 \times 2 \times 2 \times 2}$

4)  $108 \div 11 = \underline{11}$

5)  $\frac{9}{17} = \underline{17}$

6)  $\frac{12}{28} = \underline{7}$

7)  $\frac{8}{20} = \underline{5}$

8)  $\frac{2}{26} = \underline{13}$

9)  $7 \div 2 = \underline{2}$

10)  $151 \div 30 = \underline{2 \times 3 \times 5}$

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

12)  $\frac{12}{13} = \underline{13}$

13)  $\frac{4}{14} = \underline{7}$

14)  $92 \div 21 = \underline{3 \times 7}$

15)  $10 \div 4 = \underline{2}$

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