



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)  $\frac{22}{27} =$  \_\_\_\_\_

2)  $\frac{8}{28} =$  \_\_\_\_\_

3)  $\frac{10}{20} =$  \_\_\_\_\_

4)  $\frac{5}{16} =$  \_\_\_\_\_

5)  $62 \div 13 =$  \_\_\_\_\_

6)  $63 \div 6 =$  \_\_\_\_\_

7)  $73 \div 11 =$  \_\_\_\_\_

8)  $\frac{17}{29} =$  \_\_\_\_\_

9)  $\frac{10}{19} =$  \_\_\_\_\_

10)  $\frac{17}{24} =$  \_\_\_\_\_

11)  $78 \div 15 =$  \_\_\_\_\_

12)  $206 \div 21 =$  \_\_\_\_\_

13)  $101 \div 10 =$  \_\_\_\_\_

14)  $64 \div 7 =$  \_\_\_\_\_

15)  $\frac{3}{26} =$  \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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$$\frac{6}{40} = \frac{3}{20} = 2 \times 2 \times 5 = 0.15$$

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

1)  $\frac{22}{27} =$  3×3×3

2)  $\frac{8}{28} =$  7

3)  $\frac{10}{20} =$  2

4)  $\frac{5}{16} =$  2×2×2×2

5)  $62 \div 13 =$  13

6)  $63 \div 6 =$  2

7)  $73 \div 11 =$  11

8)  $\frac{17}{29} =$  29

9)  $\frac{10}{19} =$  19

10)  $\frac{17}{24} =$  2×2×2×3

11)  $78 \div 15 =$  5

12)  $206 \div 21 =$  3×7

13)  $101 \div 10 =$  2×5

14)  $64 \div 7 =$  7

15)  $\frac{3}{26} =$  2×13

**Respuestas**1. R2. R3. T4. T5. R6. T7. R8. R9. R10. R11. T12. R13. T14. R15. R