



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

1) $\frac{22}{27} = \underline{3 \times 3 \times 3}$

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

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

4) $\frac{5}{16} = \underline{2 \times 2 \times 2 \times 2}$

5) $62 \div 13 = \underline{13}$

6) $63 \div 6 = \underline{2}$

7) $73 \div 11 = \underline{11}$

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

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

10) $\frac{17}{24} = \underline{2 \times 2 \times 2 \times 3}$

11) $78 \div 15 = \underline{5}$

12) $206 \div 21 = \underline{3 \times 7}$

13) $101 \div 10 = \underline{2 \times 5}$

14) $64 \div 7 = \underline{7}$

15) $\frac{3}{26} = \underline{2 \times 13}$

Respuestas1. **R**2. **R**3. **T**4. **T**5. **R**6. **T**7. **R**8. **R**9. **R**10. **R**11. **T**12. **R**13. **T**14. **R**15. **R**