



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

Respuestas1. R2. R3. T4. T5. R6. T7. R8. R9. R10. R11. T12. R13. T14. R15. R