



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) $\frac{11}{14} =$ _____
- 2) $\frac{12}{24} =$ _____
- 3) $\frac{5}{10} =$ _____
- 4) $41 \div 19 =$ _____
- 5) $19 \div 2 =$ _____
- 6) $\frac{13}{25} =$ _____
- 7) $197 \div 18 =$ _____
- 8) $\frac{6}{22} =$ _____
- 9) $144 \div 17 =$ _____
- 10) $\frac{2}{8} =$ _____
- 11) $105 \div 13 =$ _____
- 12) $\frac{4}{7} =$ _____
- 13) $\frac{1}{9} =$ _____
- 14) $109 \div 16 =$ _____
- 15) $90 \div 12 =$ _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____



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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.

$$\frac{5}{42} = 2 \times 3 \times 7 = 0.11\overline{90476}$$

- 1) $\frac{11}{14} =$ 2×7
- 2) $\frac{12}{24} =$ 2
- 3) $\frac{5}{10} =$ 2
- 4) $41 \div 19 =$ 19
- 5) $19 \div 2 =$ 2
- 6) $\frac{13}{25} =$ 5×5
- 7) $197 \div 18 =$ 2×3×3
- 8) $\frac{6}{22} =$ 11
- 9) $144 \div 17 =$ 17
- 10) $\frac{2}{8} =$ 2×2
- 11) $105 \div 13 =$ 13
- 12) $\frac{4}{7} =$ 7
- 13) $\frac{1}{9} =$ 3×3
- 14) $109 \div 16 =$ 2×2×2×2
- 15) $90 \div 12 =$ 2

Respuestas

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