



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) $134 \div 18 =$ _____

2) $\frac{22}{29} =$ _____

3) $\frac{13}{20} =$ _____

4) $159 \div 15 =$ _____

5) $\frac{5}{10} =$ _____

6) $\frac{4}{21} =$ _____

7) $12 \div 5 =$ _____

8) $56 \div 9 =$ _____

9) $76 \div 14 =$ _____

10) $\frac{14}{16} =$ _____

11) $\frac{2}{4} =$ _____

12) $233 \div 26 =$ _____

13) $41 \div 13 =$ _____

14) $\frac{1}{2} =$ _____

15) $53 \div 11 =$ _____

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) $134 \div 18 =$ 3×3

2) $\frac{22}{29} =$ 29

3) $\frac{13}{20} =$ 2×2×5

4) $159 \div 15 =$ 5

5) $\frac{5}{10} =$ 2

6) $\frac{4}{21} =$ 3×7

7) $12 \div 5 =$ 5

8) $56 \div 9 =$ 3×3

9) $76 \div 14 =$ 7

10) $\frac{14}{16} =$ 2×2×2

11) $\frac{2}{4} =$ 2

12) $233 \div 26 =$ 2×13

13) $41 \div 13 =$ 13

14) $\frac{1}{2} =$ 2

15) $53 \div 11 =$ 11

Respuestas1. R2. R3. T4. T5. T6. R7. T8. R9. R10. T11. T12. R13. R14. T15. R