



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) $\frac{7}{30} =$ _____

2) $\frac{12}{13} =$ _____

3) $182 \div 25 =$ _____

4) $\frac{4}{12} =$ _____

5) $\frac{24}{29} =$ _____

6) $201 \div 22 =$ _____

7) $82 \div 8 =$ _____

8) $\frac{2}{3} =$ _____

9) $51 \div 21 =$ _____

10) $\frac{6}{16} =$ _____

11) $255 \div 26 =$ _____

12) $\frac{1}{5} =$ _____

13) $\frac{3}{4} =$ _____

14) $148 \div 15 =$ _____

15) $\frac{18}{28} =$ _____

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) $\frac{7}{30} = \underline{2 \times 3 \times 5}$

2) $\frac{12}{13} = \underline{13}$

3) $182 \div 25 = \underline{5 \times 5}$

4) $\frac{4}{12} = \underline{3}$

5) $\frac{24}{29} = \underline{29}$

6) $201 \div 22 = \underline{2 \times 11}$

7) $82 \div 8 = \underline{2 \times 2}$

8) $\frac{2}{3} = \underline{3}$

9) $51 \div 21 = \underline{7}$

10) $\frac{6}{16} = \underline{2 \times 2 \times 2}$

11) $255 \div 26 = \underline{2 \times 13}$

12) $\frac{1}{5} = \underline{5}$

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14) $148 \div 15 = \underline{3 \times 5}$

15) $\frac{18}{28} = \underline{2 \times 7}$

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