



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) $195 \div 30 =$ _____

2) $161 \div 18 =$ _____

3) $49 \div 24 =$ _____

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

5) $46 \div 22 =$ _____

6) $114 \div 11 =$ _____

7) $230 \div 28 =$ _____

8) $\frac{1}{3} =$ _____

9) $\frac{14}{21} =$ _____

10) $168 \div 17 =$ _____

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

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

13) $\frac{11}{25} =$ _____

14) $\frac{6}{9} =$ _____

15) $73 \div 12 =$ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____



Determine si cada problema, cuando se convierte a decimal, dará como resultado un decimal periódico(P) o exacto (E).

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.

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

1) $195 \div 30 = \underline{2}$

2) $161 \div 18 = \underline{2 \times 3 \times 3}$

3) $49 \div 24 = \underline{2 \times 2 \times 2 \times 3}$

4) $\frac{1}{2} = \underline{2}$

5) $46 \div 22 = \underline{11}$

6) $114 \div 11 = \underline{11}$

7) $230 \div 28 = \underline{2 \times 7}$

8) $\frac{1}{3} = \underline{3}$

9) $\frac{14}{21} = \underline{3}$

10) $168 \div 17 = \underline{17}$

11) $\frac{3}{4} = \underline{2 \times 2}$

12) $\frac{6}{10} = \underline{5}$

13) $\frac{11}{25} = \underline{5 \times 5}$

14) $\frac{6}{9} = \underline{3}$

15) $73 \div 12 = \underline{2 \times 2 \times 3}$

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