



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) $156 \div 16 =$ _____

2) $\frac{20}{29} =$ _____

3) $68 \div 25 =$ _____

4) $\frac{8}{11} =$ _____

5) $202 \div 20 =$ _____

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

7) $\frac{4}{23} =$ _____

8) $\frac{8}{9} =$ _____

9) $186 \div 24 =$ _____

10) $\frac{2}{6} =$ _____

11) $127 \div 26 =$ _____

12) $\frac{7}{21} =$ _____

13) $36 \div 17 =$ _____

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

15) $7 \div 2 =$ _____

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) $156 \div 16 = \underline{2 \times 2}$

2) $\frac{20}{29} = \underline{29}$

3) $68 \div 25 = \underline{5 \times 5}$

4) $\frac{8}{11} = \underline{11}$

5) $202 \div 20 = \underline{2 \times 5}$

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

7) $\frac{4}{23} = \underline{23}$

8) $\frac{8}{9} = \underline{3 \times 3}$

9) $186 \div 24 = \underline{2 \times 2}$

10) $\frac{2}{6} = \underline{3}$

11) $127 \div 26 = \underline{2 \times 13}$

12) $\frac{7}{21} = \underline{3}$

13) $36 \div 17 = \underline{17}$

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

15) $7 \div 2 = \underline{2}$

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