



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.

$$\frac{5}{42} = 2 \times 3 \times 7 = 0.1190476$$

Respuestas

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

- 1) $\frac{22}{27} =$ _____
- 2) $\frac{8}{28} =$ _____
- 3) $\frac{10}{20} =$ _____
- 4) $\frac{5}{16} =$ _____
- 5) $62 \div 13 =$ _____
- 6) $63 \div 6 =$ _____
- 7) $73 \div 11 =$ _____
- 8) $\frac{17}{29} =$ _____
- 9) $\frac{10}{19} =$ _____
- 10) $\frac{17}{24} =$ _____
- 11) $78 \div 15 =$ _____
- 12) $206 \div 21 =$ _____
- 13) $101 \div 10 =$ _____
- 14) $64 \div 7 =$ _____
- 15) $\frac{3}{26} =$ _____



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$$\frac{5}{42} = 2 \times 3 \times 7 = 0.1190476$$

- 1) $\frac{22}{27} =$ $3 \times 3 \times 3$
- 2) $\frac{8}{28} =$ 7
- 3) $\frac{10}{20} =$ 2
- 4) $\frac{5}{16} =$ $2 \times 2 \times 2 \times 2$
- 5) $62 \div 13 =$ 13
- 6) $63 \div 6 =$ 2
- 7) $73 \div 11 =$ 11
- 8) $\frac{17}{29} =$ 29
- 9) $\frac{10}{19} =$ 19
- 10) $\frac{17}{24} =$ $2 \times 2 \times 2 \times 3$
- 11) $78 \div 15 =$ 5
- 12) $206 \div 21 =$ 3×7
- 13) $101 \div 10 =$ 2×5
- 14) $64 \div 7 =$ 7
- 15) $\frac{3}{26} =$ 2×13

Respuestas

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