



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) $31 \div 3 =$ _____
- 2) $\frac{1}{2} =$ _____
- 3) $107 \div 28 =$ _____
- 4) $\frac{4}{7} =$ _____
- 5) $\frac{5}{13} =$ _____
- 6) $\frac{7}{22} =$ _____
- 7) $153 \div 25 =$ _____
- 8) $271 \div 26 =$ _____
- 9) $99 \div 24 =$ _____
- 10) $\frac{7}{12} =$ _____
- 11) $\frac{1}{4} =$ _____
- 12) $166 \div 27 =$ _____
- 13) $\frac{7}{8} =$ _____
- 14) $\frac{7}{15} =$ _____
- 15) $\frac{16}{23} =$ _____



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$$\frac{6}{40} = \frac{3}{20} = 2 \times 2 \times 5 = 0.15$$

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.

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

1) $31 \div 3 =$ 3

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

3) $107 \div 28 =$ $2 \times 2 \times 7$

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

5) $\frac{5}{13} =$ 13

6) $\frac{7}{22} =$ 2×11

7) $153 \div 25 =$ 5×5

8) $271 \div 26 =$ 2×13

9) $99 \div 24 =$ $2 \times 2 \times 2$

10) $\frac{7}{12} =$ $2 \times 2 \times 3$

11) $\frac{1}{4} =$ 2×2

12) $166 \div 27 =$ $3 \times 3 \times 3$

13) $\frac{7}{8} =$ $2 \times 2 \times 2$

14) $\frac{7}{15} =$ 3×5

15) $\frac{16}{23} =$ 23

Respuestas

1. R

2. T

3. R

4. R

5. R

6. R

7. T

8. R

9. T

10. R

11. T

12. R

13. T

14. R

15. R