



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).

$$6/40 = 3/20 = 2 \times 2 \times 5 = 0.15$$

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.

$$5/42 = 2 \times 3 \times 7 = 0.1190476$$

1) $21/29 =$ _____

2) $67 \div 10 =$ _____

3) $11 \div 2 =$ _____

4) $65 \div 17 =$ _____

5) $47 \div 7 =$ _____

6) $1/4 =$ _____

7) $57 \div 6 =$ _____

8) $211 \div 22 =$ _____

9) $6/26 =$ _____

10) $24 \div 11 =$ _____

11) $16/19 =$ _____

12) $4/12 =$ _____

13) $9/25 =$ _____

14) $8/23 =$ _____

15) $77 \div 9 =$ _____

Respuestas

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____



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$$5/42 = 2 \times 3 \times 7 = 0.1190476$$

1) $21/29 =$ 29

2) $67 \div 10 =$ 2x5

3) $11 \div 2 =$ 2

4) $65 \div 17 =$ 17

5) $47 \div 7 =$ 7

6) $1/4 =$ 2x2

7) $57 \div 6 =$ 2

8) $211 \div 22 =$ 2x11

9) $6/26 =$ 13

10) $24 \div 11 =$ 11

11) $16/19 =$ 19

12) $4/12 =$ 3

13) $9/25 =$ 5x5

14) $8/23 =$ 23

15) $77 \div 9 =$ 3x3

Respuestas

1. R

2. T

3. T

4. R

5. R

6. T

7. T

8. R

9. R

10. R

11. R

12. R

13. T

14. R

15. R