



Déterminez si chaque problème converti en nombre décimal se traduira par un nombre décimal répétitif (R) ou final (T).

Réponses

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.

$$\frac{5}{42} = 2 \times 3 \times 7 = 0.\overline{1190476}$$

1) $\frac{3}{23} =$ _____

2) $\frac{1}{5} =$ _____

3) $\frac{13}{20} =$ _____

4) $127 \div 16 =$ _____

5) $101 \div 10 =$ _____

6) $\frac{8}{15} =$ _____

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

8) $\frac{27}{30} =$ _____

9) $\frac{9}{11} =$ _____

10) $242 \div 27 =$ _____

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

12) $131 \div 13 =$ _____

13) $236 \div 28 =$ _____

14) $95 \div 29 =$ _____

15) $19 \div 4 =$ _____

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) $3/23 =$ 23

2) $1/5 =$ 5

3) $13/20 =$ $2 \times 2 \times 5$

4) $127 \div 16 =$ $2 \times 2 \times 2 \times 2$

5) $101 \div 10 =$ 2×5

6) $8/15 =$ 3×5

7) $3/14 =$ 2×7

8) $27/30 =$ 2×5

9) $9/11 =$ 11

10) $242 \div 27 =$ $3 \times 3 \times 3$

11) $1/3 =$ 3

12) $131 \div 13 =$ 13

13) $236 \div 28 =$ 7

14) $95 \div 29 =$ 29

15) $19 \div 4 =$ 2×2

Réponses

1. R

2. T

3. T

4. T

5. T

6. R

7. R

8. T

9. R

10. R

11. R

12. R

13. R

14. R

15. T