



Определите, является ли десятичная дробь в результате бесконечной(R) или непериодической(T) .

ОТВЕТЫ

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)  $17 : 2 =$  \_\_\_\_\_

2)  $52 : 21 =$  \_\_\_\_\_

3)  $26 : 6 =$  \_\_\_\_\_

4)  $\frac{5}{11} =$  \_\_\_\_\_

5)  $67 : 13 =$  \_\_\_\_\_

6)  $93 : 17 =$  \_\_\_\_\_

7)  $\frac{13}{19} =$  \_\_\_\_\_

8)  $234 : 27 =$  \_\_\_\_\_

9)  $\frac{2}{16} =$  \_\_\_\_\_

10)  $\frac{5}{9} =$  \_\_\_\_\_

11)  $\frac{9}{15} =$  \_\_\_\_\_

12)  $55 : 14 =$  \_\_\_\_\_

13)  $\frac{9}{26} =$  \_\_\_\_\_

14)  $\frac{4}{5} =$  \_\_\_\_\_

15)  $\frac{2}{7} =$  \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_



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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)  $17 : 2 =$  2

2)  $52 : 21 =$   $3 \times 7$

3)  $26 : 6 =$  3

4)  $\frac{5}{11} =$  11

5)  $67 : 13 =$  13

6)  $93 : 17 =$  17

7)  $\frac{13}{19} =$  19

8)  $234 : 27 =$  3

9)  $\frac{2}{16} =$   $2 \times 2 \times 2$

10)  $\frac{5}{9} =$   $3 \times 3$

11)  $\frac{9}{15} =$  5

12)  $55 : 14 =$   $2 \times 7$

13)  $\frac{9}{26} =$   $2 \times 13$

14)  $\frac{4}{5} =$  5

15)  $\frac{2}{7} =$  7

**ОТВЕТЫ**1. T2. P3. P4. P5. P6. P7. P8. P9. T10. P11. T12. P13. P14. T15. P