



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) $31 : 3 =$ _____

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

3) $107 : 28 =$ _____

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

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

6) $\frac{7}{22} =$ _____

7) $153 : 25 =$ _____

8) $271 : 26 =$ _____

9) $99 : 24 =$ _____

10) $\frac{7}{12} =$ _____

11) $\frac{1}{4} =$ _____

12) $166 : 27 =$ _____

13) $\frac{7}{8} =$ _____

14) $\frac{7}{15} =$ _____

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

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



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

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$$\frac{5}{42} = 2 \times 3 \times 7 = 0.1\overline{190476}$$

1) $31 : 3 =$ 3

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

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

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

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

6) $\frac{7}{22} =$ 2×11

7) $153 : 25 =$ 5×5

8) $271 : 26 =$ 2×13

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

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

11) $\frac{1}{4} =$ 2×2

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

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

14) $\frac{7}{15} =$ 3×5

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

ОТВЕТЫ1. Р2. Т3. Р4. Р5. Р6. Р7. Т8. Р9. Т10. Р11. Т12. Р13. Т14. Р15. Р