



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) $\frac{22}{27} =$ _____
- 2) $\frac{8}{28} =$ _____
- 3) $\frac{10}{20} =$ _____
- 4) $\frac{5}{16} =$ _____
- 5) $62 : 13 =$ _____
- 6) $63 : 6 =$ _____
- 7) $73 : 11 =$ _____
- 8) $\frac{17}{29} =$ _____
- 9) $\frac{10}{19} =$ _____
- 10) $\frac{17}{24} =$ _____
- 11) $78 : 15 =$ _____
- 12) $206 : 21 =$ _____
- 13) $101 : 10 =$ _____
- 14) $64 : 7 =$ _____
- 15) $\frac{3}{26} =$ _____

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) .

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) $\frac{22}{27} = \underline{3 \times 3 \times 3}$
- 2) $\frac{8}{28} = \underline{7}$
- 3) $\frac{10}{20} = \underline{2}$
- 4) $\frac{5}{16} = \underline{2 \times 2 \times 2 \times 2}$
- 5) $62 : 13 = \underline{13}$
- 6) $63 : 6 = \underline{2}$
- 7) $73 : 11 = \underline{11}$
- 8) $\frac{17}{29} = \underline{29}$
- 9) $\frac{10}{19} = \underline{19}$
- 10) $\frac{17}{24} = \underline{2 \times 2 \times 2 \times 3}$
- 11) $78 : 15 = \underline{5}$
- 12) $206 : 21 = \underline{3 \times 7}$
- 13) $101 : 10 = \underline{2 \times 5}$
- 14) $64 : 7 = \underline{7}$
- 15) $\frac{3}{26} = \underline{2 \times 13}$

ОТВЕТЫ

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