



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) $\frac{18}{27} =$ _____
- 2) $\frac{3}{8} =$ _____
- 3) $196 : 24 =$ _____
- 4) $\frac{10}{28} =$ _____
- 5) $71 : 22 =$ _____
- 6) $82 : 14 =$ _____
- 7) $60 : 21 =$ _____
- 8) $\frac{3}{5} =$ _____
- 9) $15 : 4 =$ _____
- 10) $\frac{1}{2} =$ _____
- 11) $33 : 7 =$ _____
- 12) $\frac{4}{6} =$ _____
- 13) $\frac{14}{30} =$ _____
- 14) $\frac{2}{17} =$ _____
- 15) $80 : 9 =$ _____

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



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

- 1) $\frac{18}{27} =$ 3
- 2) $\frac{3}{8} =$ $2 \times 2 \times 2$
- 3) $196 : 24 =$ 2×3
- 4) $\frac{10}{28} =$ 2×7
- 5) $71 : 22 =$ 2×11
- 6) $82 : 14 =$ 7
- 7) $60 : 21 =$ 7
- 8) $\frac{3}{5} =$ 5
- 9) $15 : 4 =$ 2×2
- 10) $\frac{1}{2} =$ 2
- 11) $33 : 7 =$ 7
- 12) $\frac{4}{6} =$ 3
- 13) $\frac{14}{30} =$ 3×5
- 14) $\frac{2}{17} =$ 17
- 15) $80 : 9 =$ 3×3

ОТВЕТЫ

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