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).

$^{6}/_{40} = {}^{3}/_{20} = 2\times2\times5 = 0.15$

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.

$^{5}/_{42} = 2\times3\times7 = 0.1\overline{190476}$

1) $^{5}/_{23} =$ _____

2) $^{21}/_{25} =$ _____

3) $^{7}/_{13} =$ _____

4) 73 : 30 = _____

5) 61 : 7 = _____

6) $^{10}/_{24} =$ _____

7) 77 : 8 = _____

8) $^{3}/_{4} =$ _____

9) $^{8}/_{9} =$ _____

10) 107 : 15 = _____

11) 40 : 6 = _____

12) $^{16}/_{29} =$ _____

13) 139 : 22 = _____

14) 86 : 26 = _____

15) $^{13}/_{21} =$ _____

Ответы

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

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

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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.

$^{5}/_{42} = 2\times3\times7 = 0.1\overline{190476}$

1) $^{5}/_{23} =$ 23

2) $^{21}/_{25} =$ 5×5

3) $^{7}/_{13} =$ 13

4) 73 : 30 = 2×3×5

5) 61 : 7 = 7

6) $^{10}/_{24} =$ 2×2×3

7) 77 : 8 = 2×2×2

8) $^{3}/_{4} =$ 2×2

9) $^{8}/_{9} =$ 3×3

10) 107 : 15 = 3×5

11) 40 : 6 = 3

12) $^{16}/_{29} =$ 29

13) 139 : 22 = 2×11

14) 86 : 26 = 13

15) $^{13}/_{21} =$ 3×7

Ответы

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

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					