Trovare i decimali ripetuti

Nome:

Determina se ogni problema, quando convertito in un decimale, risulterà in un decimale ripetuto (R) o finale (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) $^{8}/_{16}$ = _____

2) 116 : 14 = _____

3) 54 : 20 = _____

4) 45 : 7 = _____

5) 156 : 29 = _____

6) 227 : 30 = _____

7) 91 : 15 = _____

8) $^{16}/_{19}$ = _____

9) $^{2}/_{11}$ = _____

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

11) 109 : 18 = _____

12) $^{14}/_{27}$ = _____

13) $^{15}/_{23}$ = _____

14) $^{11}/_{13}$ = _____

15) $^{1}/_{25}$ = _____

Risposte

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					

Trovare i decimali ripetuti

Nome: **Soluzioni**

Determina se ogni problema, quando convertito in un decimale, risulterà in un decimale ripetuto (R) o finale (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) $^{8}/_{16} =$ 2

2) 116 : 14 = 7

3) 54 : 20 = 2×5

4) 45 : 7 = 7

5) 156 : 29 = 29

6) 227 : 30 = 2×3×5

7) 91 : 15 = 3×5

8) $^{16}/_{19} =$ 19

9) $^{2}/_{11} =$ 11

10) $^{6}/_{10} =$ 5

11) 109 : 18 = 2×3×3

12) $^{14}/_{27} =$ 3×3×3

13) $^{15}/_{23} =$ 23

14) $^{11}/_{13} =$ 13

15) $^{1}/_{25} =$ 5×5

Risposte

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

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