

## Frazione generatrice di un numero decimale. Livello base. Con soluzione guidata.

## Expressions with Rational Numbers &amp; Periodic Decimal Expansions

	Numero decimale	Frazione generatrice
1.	1,3	
2.	1,2	
3.	0,15	
4.	0,125	
5.	1,4	
6.	0,75	
7.	1,35	
8.	$0,\bar{3} = 0,(3)$	
9.	$1,\bar{2} = 1,(2)$	
10.	$0,\bar{6} = 0,(6)$	
11.	$2,\bar{4} = 2,(4)$	
12.	$9,\bar{5} = 9,(5)$	
13.	$0,\overline{21} = 0,(21)$	
14.	$0,\overline{63} = 0,(63)$	
15.	$3,\bar{8} = 3,(8)$	
16.	$0,0\bar{5} = 0,0(5)$	
17.	$1,1\bar{5} = 1,1(5)$	
18.	$0,30\bar{5} = 0,30(5)$	
19.	$4,\overline{60} = 4,(60)$	
20.	$12,\bar{1} = 12,(1)$	


21.	$1,2\bar{3} = 1,2(3)$	
22.	$2,\bar{57} = 2,(57)$	
23.	$9,\bar{3} = 9,(3)$	
24.	$2,\bar{21} = 2,(21)$	
25.	$3,1\bar{2} = 3,1(2)$	
26.	$13,\bar{3} = 13,(3)$	
27.	$1,\bar{3} = 1,(3)$	
28.	$1,1\bar{3} = 1,1(3)$	
29.	$11,0\bar{3} = 11,0(3)$	
30.	$1,10\bar{3} = 1,10(3)$	
31.	2,6	
32.	$0,\bar{5} = 0,(5)$	
33.	0,5	
34.	$0,0\bar{5} = 0,0(5)$	
35.	0,05	
36.	$0,3\bar{7} = 0,3(7)$	
37.	$2,6\bar{3} = 2,6(3)$	
38.	$2,\bar{63} = 2,(63)$	
39.	$0,3\bar{6} = 0,3(6)$	
40.	$0,\bar{36} = 0,(36)$	
41.	$1,\bar{24} = 1,(24)$	



## Soluzioni


1,3	Decimale limitato	$\frac{13}{10}$	$\frac{13}{10}$
1,2	Decimale limitato	$\frac{12}{10} = \frac{6}{5}$	$\frac{6}{5}$
0,15	Decimale limitato	$\frac{15}{100} = \frac{3}{20}$	$\frac{3}{20}$
0,125	Decimale limitato	$\frac{125}{1000} = \frac{5}{40} = \frac{1}{8}$	$\frac{1}{8}$
1,4	Decimale limitato	$\frac{14}{10} = \frac{7}{5}$	$\frac{7}{5}$
0,75	Decimale limitato	$\frac{75}{100} = \frac{3}{4}$	$\frac{3}{4}$
1,35	Decimale limitato	$\frac{135}{100} = \frac{27}{20}$	$\frac{27}{20}$
0, (3)	Periodico semplice	$\frac{3-0}{9} = \frac{3}{9} = \frac{1}{3}$	$\frac{1}{3}$
1, (2)	Periodico semplice	$\frac{12-1}{9} = \frac{11}{9}$	$\frac{11}{9}$
0, (6)	Periodico semplice	$\frac{6-0}{9} = \frac{6}{9} = \frac{2}{3}$	$\frac{2}{3}$
2, (4)	Periodico semplice	$\frac{24-2}{9} = \frac{22}{9}$	$\frac{22}{9}$
9, (5)	Periodico semplice	$\frac{95-9}{9} = \frac{86}{9}$	$\frac{86}{9}$
0, (21)	Periodico semplice	$\frac{21-0}{99} = \frac{21}{99} = \frac{7}{33}$	$\frac{7}{33}$
0, (63)	Periodico semplice	$\frac{63-0}{99} = \frac{63}{99} = \frac{7}{11}$	$\frac{7}{11}$
3, (8)	Periodico semplice	$\frac{38-3}{9} = \frac{35}{9}$	$\frac{35}{9}$
0,0(5)	Periodico misto	$\frac{5-0}{90} = \frac{5}{90} = \frac{1}{18}$	$\frac{1}{18}$
1,1(5)	Periodico misto	$\frac{116-11}{90} = \frac{105}{90} = \frac{21}{18} = \frac{7}{6}$	$\frac{7}{6}$
0,30(5)	Periodico misto	$\frac{305-30}{900} = \frac{275}{900} = \frac{55}{180} = \frac{11}{30}$	$\frac{11}{30}$
4, (60)	Periodico semplice	$\frac{460-4}{99} = \frac{456}{99} = \frac{152}{33}$	$\frac{152}{33}$
12, (1)	Periodico semplice	$\frac{121-12}{9} = \frac{109}{9}$	$\frac{109}{9}$


1,2(3)	$\frac{123 - 12}{90} = \frac{111}{90} = \frac{37}{30}$	$\frac{37}{30}$
2,(57)	$\frac{257 - 2}{99} = \frac{255}{99} = \frac{85}{33}$	$\frac{85}{33}$
9,(3)	$\frac{93 - 9}{9} = \frac{86}{9}$	$\frac{86}{9}$
2,(21)	$\frac{221 - 2}{99} = \frac{219}{99} = \frac{73}{33}$	$\frac{73}{33}$
3,1(2)	$\frac{312 - 31}{90} = \frac{281}{90}$	$\frac{281}{90}$
13,(3)	$\frac{133 - 13}{9} = \frac{120}{9} = \frac{40}{3}$	$\frac{40}{3}$
1,(3)	$\frac{13 - 1}{9} = \frac{12}{9} = \frac{4}{3}$	$\frac{4}{3}$
1,1(3)	$\frac{113 - 11}{90} = \frac{102}{90} = \frac{34}{30}$	$\frac{34}{30}$
11,0(3)	$\frac{1103 - 110}{90} = \frac{993}{90} = \frac{331}{30}$	$\frac{331}{30}$
1,10(3)	$\frac{1103 - 110}{900} = \frac{993}{900} = \frac{331}{300}$	$\frac{331}{300}$
2,6	$\frac{26}{10} = \frac{13}{5}$	$\frac{13}{5}$
0,(5)	$\frac{5 - 0}{9} = \frac{5}{9}$	$\frac{5}{9}$
0,5	$\frac{5}{10} = \frac{1}{2}$	$\frac{1}{2}$
0,0(5)	$\frac{5 - 0}{90} = \frac{5}{90} = \frac{1}{18}$	$\frac{1}{18}$
0,05	$\frac{5}{100} = \frac{1}{20}$	$\frac{1}{20}$
0,3(7)	$\frac{37 - 3}{90} = \frac{34}{90} = \frac{17}{45}$	$\frac{17}{45}$
2,6(3)	$\frac{263 - 26}{90} = \frac{237}{90} = \frac{79}{30}$	$\frac{79}{30}$
2,(63)	$\frac{263 - 2}{99} = \frac{261}{99} = \frac{29}{11}$	$\frac{29}{11}$
0,3(6)	$\frac{36 - 3}{90} = \frac{33}{90} = \frac{11}{30}$	$\frac{11}{30}$
0,(36)	$\frac{36 - 0}{99} = \frac{36}{99} = \frac{4}{11}$	$\frac{4}{11}$
1,(24)	$\frac{124 - 1}{99} = \frac{123}{99} = \frac{41}{33}$	$\frac{41}{33}$


## Keywords

 *Matematica, Aritmetica, espressioni, frazioni, numeri razionali, razionali, insieme  $\mathbb{Q}$ ,  $\mathbb{Q}$ , decimali, periodici, periodo, antiperiodo, decimali limitati, decimali illimitati periodici, espressioni, addizioni, sottrazioni, moltiplicazioni, divisioni*

  *Math, Arithmetic, Expression, Arithmetic Operations,  $\mathbb{Q}$ , Rational numbers, Recurring Decimals, Arithmetic, Fraction, Expression, Periodic Decimal Expansions, Period, Arithmetic Operations Involving Fraction, Arithmetic Operations Involving Decimal Numbers*

 *Matemática, Aritmética, fracción, Número racional, número decimal finito, número decimal periódico.*

 *Mathématique, Arithmétique, nombre rationnel, périodique, développement décimal illimité*

 *Mathematik, Arithmetik, rationale Zahl, Brüche, Dezimalbruch, Binärbruch, gewöhnlicher Bruch, gemischter Bruch, Äquivalenzrelation*