

Recurring Decimals to Fractions Codebreaker - Answers

A	B	C	D	E	F	G	H	I	J	K	L	M
$\frac{16}{33}$	$\frac{56}{99}$	$\frac{19}{30}$	$\frac{238}{990}$	$\frac{1264}{3333}$	$\frac{1171}{3300}$	$\frac{5}{9}$	$\frac{8}{15}$	$\frac{23}{30}$	$\frac{19}{66}$	$\frac{887}{2475}$	$\frac{238}{999}$	$\frac{1321}{3300}$
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
$\frac{3792}{9999}$	$\frac{317}{660}$	$\frac{19}{33}$	$\frac{47}{99}$	$\frac{316}{825}$	$\frac{3548}{9999}$	$\frac{28}{45}$	$\frac{17}{30}$	$\frac{477}{999}$	$\frac{421}{1110}$	$\frac{29}{33}$	$\frac{560}{999}$	$\frac{17}{33}$

Convert the following recurring decimals to fractions, link your answers to the table above (fractions are in their simplest form) then solve the anagram to reveal how the man with no nose smelled:

Decimal	$0.\dot{2}3\dot{8}$	$0.\dot{4}8$	$0.5\dot{6}$	$0.3\dot{7}9\dot{2}$	$0.354\dot{8}$
Workings	$n = 0.\dot{2}3\dot{8}$ $1000n = 238.\dot{2}3\dot{8}$ $999n = 238$	$n = 0.\dot{4}8$ $100n = 48.\dot{4}8$ $99n = 48$ $33n = 16$	$n = 0.5\dot{6}$ $10n = 5.\dot{6}$ $100n = 56.\dot{6}$ $90n = 51$ $30n = 17$	$n = 0.3\dot{7}9\dot{2}$ $10n = 3.\dot{7}9\dot{2}$ $10000n = 3792.\dot{7}9\dot{2}$ $9990n = 3789$ $1110n = 421$	$n = 0.354\dot{8}$ $100n = 35.\dot{4}8$ $10000n = 3548.\dot{4}8$ $9900n = 3513$ $3300n = 1171$
Letter	L	A	U	W	F

Answer:

Awful

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