Name _____   Date _____

1. Language check

Arun asks Reza for some help understanding some maths questions. Reza explains some of the terminology. Match Arun's questions with Reza's explanations.

<u>Arun's questions</u>

a What does it mean when it says 'Improve on these strategies'? <u>**ii**</u>

b What is an equivalent decimal? _____

c I don't understand what 'Cancel the common factors before multiplying' means. _____

d What is a terminating decimal? _____

e What does 'recurring decimal' mean? _____

<u>Reza's explanations</u>

i   You have to divide the numerator and denominator of a fraction by a common factor.

ii Find a better method to use.

iii A decimal number that has the same value as a fraction.

iv When the last number or numbers in a decimal repeat forever.

v   A decimal number that does not go on forever.

2. ADDING AND SUBTRACTING FRACTIONS CODEBREAKER

A	B	C	D	E	F	G	H	I	J	K	L	M
$4\frac{3}{4}$	$2\frac{1}{3}$	$\frac{7}{12}$	$\frac{11}{12}$	$1\frac{9}{28}$	$5\frac{2}{5}$	$3\frac{7}{8}$	$1\frac{7}{15}$	$7\frac{11}{56}$	$2\frac{7}{12}$	$3\frac{1}{5}$	$3\frac{13}{20}$	$1\frac{5}{6}$

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
$2\frac{1}{4}$	$1\frac{5}{12}$	$1\frac{2}{3}$	$6\frac{3}{56}$	$1\frac{11}{30}$	$2\frac{5}{8}$	$1\frac{1}{2}$	$3\frac{3}{10}$	$\frac{13}{15}$	$4\frac{2}{15}$	$6\frac{1}{4}$	$1\frac{7}{20}$	$3\frac{11}{20}$

Calculate the answers to the fraction problems below giving your answers in their simplest form as a mixed number, link your answers to the table above to reveal how I managed to sell a TV with a broken volume button to my friend:

$\frac{3}{4}+\frac{3}{4}$	$\frac{4}{5}+\frac{2}{3}$	$\frac{4}{7}+\frac{3}{4}$	$1\frac{3}{5}-\frac{1}{4}$	$1\frac{1}{3}-\frac{3}{4}$	$\frac{3}{4}+\frac{2}{3}$	$1\frac{1}{5}+2\frac{1}{10}$	$2\frac{1}{4}+1\frac{2}{5}$

$1\frac{3}{4}-\frac{5}{6}$	$1\frac{1}{2}+\frac{3}{4}$	$2\frac{7}{24}-\frac{7}{8}$	$2-\frac{1}{2}$	$\frac{5}{6}+\frac{2}{3}$	$5\frac{13}{20}-2\frac{7}{20}$	$3\frac{1}{5}-1\frac{5}{6}$	$5-2\frac{3}{4}$

$4\frac{4}{7}+2\frac{5}{8}$	$3\frac{1}{3}-1\frac{5}{6}$	$2\frac{1}{3}-1\frac{5}{12}$	$3\frac{3}{4}-2\frac{1}{3}$	$1\frac{1}{3}+1\frac{1}{5}+1\frac{3}{5}$	$4\frac{1}{8}-\frac{1}{2}-\frac{3}{4}-\frac{5}{8}$