

Title: Uncover the hidden message!

Theme: Fractions

Curriculum Area: Math

Activity: Create a hidden message by adding fractions with different denominators and using a translation key.

Age of Children: 5th grade

Materials Needed:

Paper

Printer or writing utensil

Developmental Objectives/Domains:

- 1.) Develop a stronger sense of understanding of fractions and how they add together.
- 2.) Understand adding different denominator fractions.

Procedure:

Have a worksheet with the activity on it.

The child will answer problems then compare the answers with the deciphering key.

They will then put the translated answer on the blank assigned to the number of the problem.

References: CA Department of Education standards "Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators"

[Standards website](#)

Hidden message answer key: You did great!

Uncover the Hidden Message!

Directions: Solve the math problems and use the translation key to fill in the hidden message at the bottom of the paper according to problem number. If possible, simplify your answer.

$$1) \frac{1}{3} + \frac{6}{27}$$

$$2) \frac{1}{4} + \frac{3}{20}$$

$$3) \frac{1}{2} + \frac{5}{26}$$

$$4) \frac{2}{3} + \frac{2}{9}$$

$$5) \frac{1}{6} + \frac{1}{3}$$

$$6) \frac{5}{6} + \frac{1}{18}$$

$$7) \frac{1}{2} + \frac{3}{8}$$

$$8) \frac{1}{3} + \frac{3}{15}$$

$$9) \frac{2}{3} + \frac{1}{6}$$

$$10) \frac{1}{4} + \frac{1}{8}$$

$$11) \frac{1}{2} + \frac{3}{22}$$

Solve!

1	2	3	4	5	6
					!
7	8	9	10	11	

Translation Key

Answer	Letter
$\frac{3}{8}$	A
$\frac{2}{3}$	B
$\frac{4}{7}$	C
$\frac{8}{9}$	D
$\frac{5}{6}$	E
$\frac{3}{4}$	F
$\frac{7}{8}$	G
$\frac{11}{12}$	H
$\frac{1}{2}$	I
$\frac{4}{5}$	J
$\frac{7}{12}$	K
$\frac{9}{11}$	L
$\frac{5}{8}$	M
$\frac{13}{14}$	N
$\frac{2}{5}$	O
$\frac{6}{7}$	P
$\frac{7}{9}$	Q
$\frac{8}{15}$	R
$\frac{3}{5}$	S
$\frac{7}{11}$	T
$\frac{9}{13}$	U
$\frac{5}{7}$	V
$\frac{10}{11}$	W
$\frac{15}{16}$	X
$\frac{5}{9}$	Y
$\frac{7}{16}$	Z