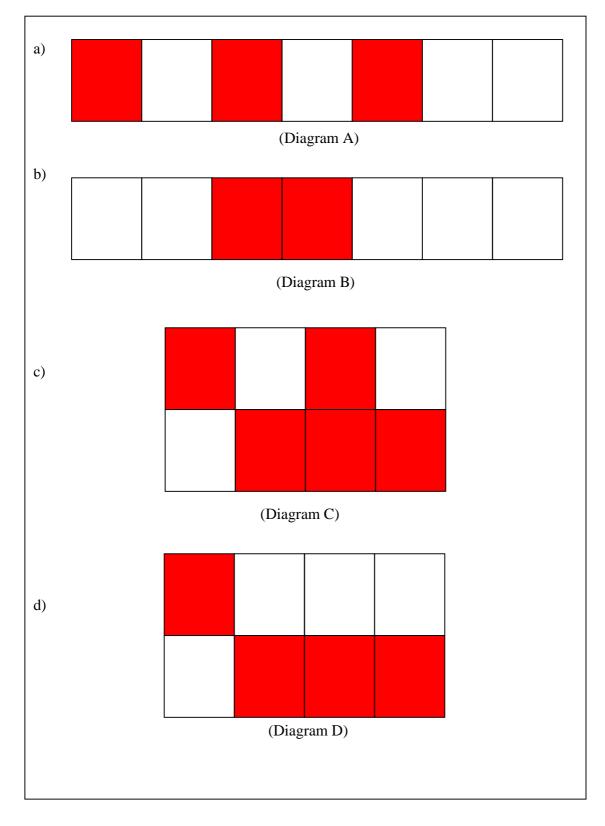
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Look at the diagrams and discuss with your friends and teacher.



TOPIC 2 FRACTION INTERVE	NSI
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- Learning Area : Addition of fraction i.
- ii.
- Learning Objective : Add mixed numbers with denominators of up to 10 Learning Outcomes: Add mixed numbers with different denominators of up to 10 iii.

Teaching Aids

Duration: 1 hour

Diagrams manipulative materials worksheets.

Set Induction

1. Teacher shows diagrams, from a stimulus page. The diagrams consist of several shaded parts

<u>Step 1:</u> Pupils discuss in group the fraction of the shaded part from each diagram.

Pupils' Activity.	Notes To Teachers:
Discuss about the diagrams. Take turn to talk from their	Try to follow the phases of discussion: • Modeling / stripe paper • Sharing / cake • creating.
experiences	Guide pupils to discuss about the fraction
	Pupils compare the sizes and use words such as bigger and smaller.,
	Teacher guides pupils to say the fraction in correct terms.

Teacher's Instruction:	Expected answers from pupils:
<i>1.What is the fraction of the shaded part</i> (<i>a</i> , <i>b</i> , <i>c and d</i>)	1. a) $\frac{3}{7}$ b) $\frac{4}{4} = 1$ (one whole)
2. Based on the diagrams given, add a and b.	c) $\frac{2}{6} = \frac{1}{3}$ d) $\frac{5}{4} = 1\frac{1}{4}$
3. Based on the diagrams given, add c and d.	
4. What is the simplest fraction of c ?	2. $\frac{5}{7}$
5. Simplify fraction d.	3. $\frac{9}{8}$ or $1\frac{1}{8}$
	4. $1\frac{1}{8}$

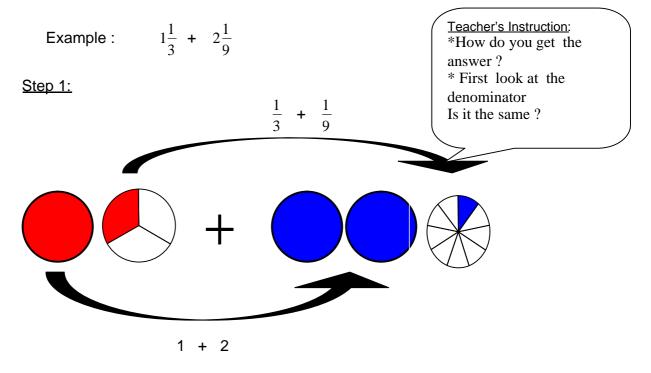
TOPIC 2	FRACTION	INTERVENSI
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CASE:

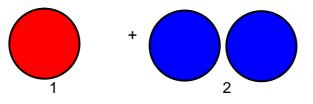
1a. Pupils find difficulty in finding the same denominator before adding.

SOLUTION: 1

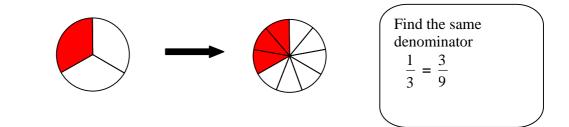
1. Use diagrams to show the process of addition in fraction.

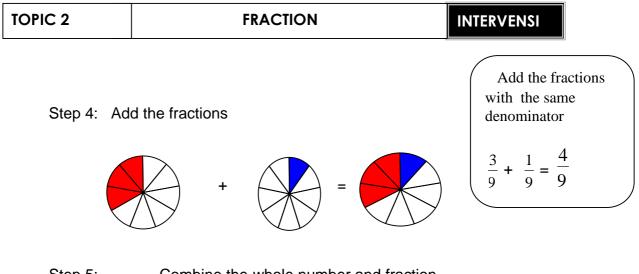


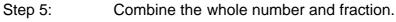
Step 2: Add the whole number

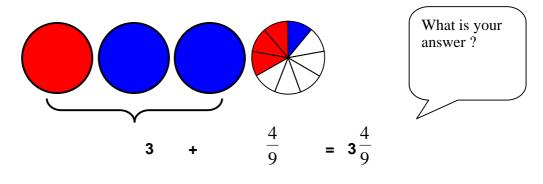


Step 3: Emphasize that 1 of 3 portions is equivalent to 3 of 9 portions.









SOLUTION: 2

Example :
$$1\frac{1}{3} + 2\frac{1}{9}$$

Step : 1 Change $1\frac{1}{3}$ to the equivalent fraction with the same denominator by using table of common lowest factor.

X 3	X 9
3	9
6	18
9	27
$1\frac{1x3}{3x3} =$	$1\frac{3}{9}$

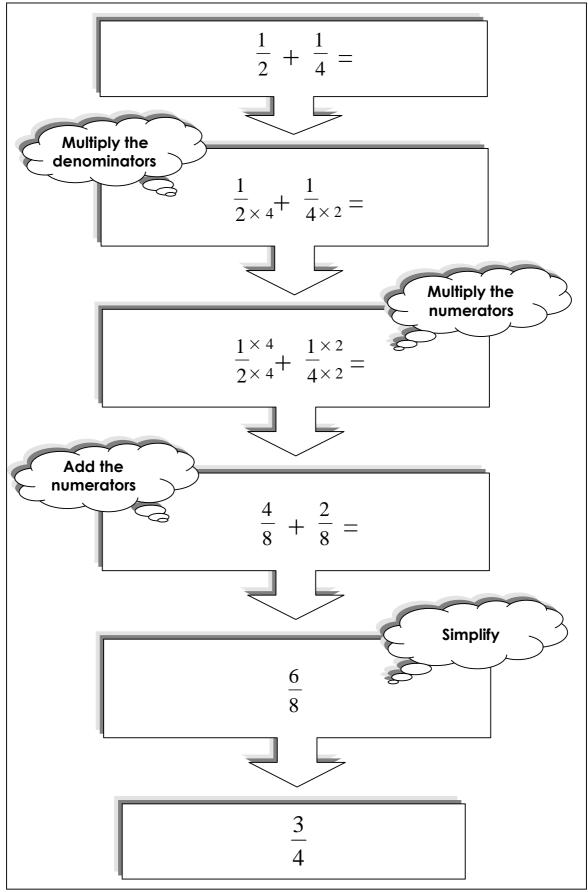
Step: 2 Add
$$1\frac{3}{9}$$
 to $2\frac{1}{9}$
 $1\frac{3}{9}$ + $2\frac{1}{9}$

- 1. Add the whole number first \rightarrow 1 + 2
- 2. Add the fractions $\rightarrow \frac{3}{9} + \frac{1}{9}$
- 3. $(1 + 2) (\frac{3}{9} + \frac{1}{9})$

$$= 3\frac{4}{9}$$

Worksheet

Adding fractions.



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FRACTION

Adding fractions.

Exercises

1	$\frac{1}{3} + \frac{1}{6} =$	6	$\frac{1}{6} + \frac{3}{5} =$
2	$\frac{1}{2} + \frac{2}{5} =$	7	$\frac{3}{5} + \frac{1}{3} =$
3	$\frac{1}{7} + \frac{3}{4} =$	8	$\frac{1}{4} + \frac{5}{9} =$
4	$\frac{2}{9} + \frac{1}{2} =$	9	$\frac{4}{7} + \frac{1}{3} =$
5	$\frac{3}{8} + \frac{1}{3} =$	10	$\frac{2}{9} + \frac{2}{5} =$

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11	$\frac{3}{8} + \frac{1}{2} =$	16	$\frac{1}{4} + \frac{1}{6} =$
12	$\frac{5}{9} + \frac{1}{3} =$	17	$\frac{1}{6} + \frac{3}{8} =$
13	$\frac{2}{5} + \frac{3}{10} =$	18	$\frac{1}{10} + \frac{5}{6} =$
14	$\frac{1}{4} + \frac{3}{8} =$	19	$\frac{5}{6} + \frac{1}{9} =$
15	$\frac{1}{6} + \frac{1}{2} =$	20	$\frac{3}{4} + \frac{1}{10} =$

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21	$2\frac{1}{3} + 1\frac{1}{6} =$	26	$4\frac{1}{6} + 5\frac{2}{3} =$
22	$2\frac{1}{4} + 1\frac{1}{8} =$	27	$4\frac{2}{3} + 1\frac{1}{6} =$
23	$4\frac{2}{5} + 1\frac{3}{10} =$	28	$7\frac{1}{8} + 2\frac{3}{4} =$
24	$2\frac{1}{4} + 5\frac{1}{2} =$	29	$2\frac{1}{10} + 5\frac{3}{5} =$
25	$2\frac{3}{8} + 1\frac{1}{4} =$	30	$4\frac{3}{8} + 1\frac{1}{4} =$