MONTH : SEPTEMBER

SESSION : 8

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 9

CHAPTER NAME : FRACTION

SUB-TOPIC : DOUBT CLEARING AND CLASS TEST

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LEARNING OBJECTIVE :

Enable the students

- **To understand the concept clearly.**
- **To find the fractional values of different operations.**
- **To check their progress so far.**

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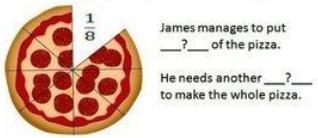
Let's Revise

Addition, Subtraction and Simplification of Fractions

$$\frac{2}{3} + \frac{1}{2} - \frac{5}{12} = ?$$

Fractions Word Story Problems



James manages to put ___?___ of the pizza.

He needs another ___?___ to make the whole pizza.

Multiplying Fractions

STEP 1 STEP 2 STEP 3

$$\frac{3}{4} \times \frac{2}{5} = \frac{3 \times 2}{4 \times 5} = \frac{6}{20}$$

Simplify?

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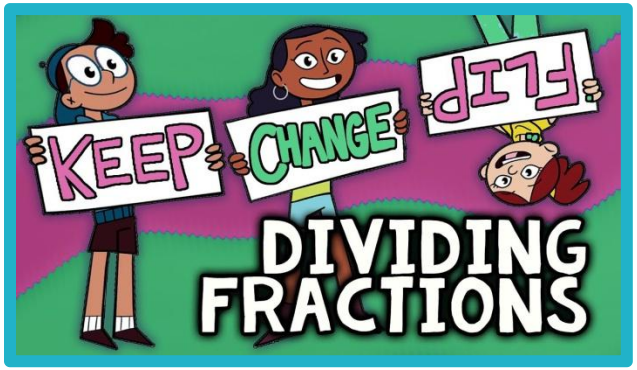

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Let's Solve This!

CLASS TEST FRACTIONS

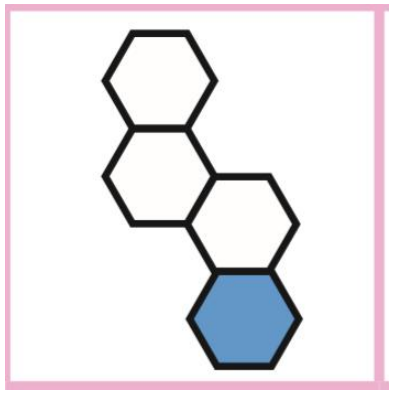
FILL IN THE BLANKS

1 X 5 = 5

1. Fractions with same denominators are _____ fractions.

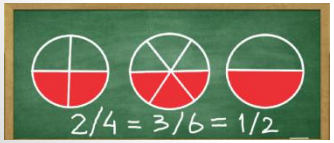
2. A/An _____ fraction can be converted into a mixed numeral.

3. Write the fraction.



4.If a numerator and denominator of a fraction are equal, then it is equal to ____.

5. Fill in the blanks $\frac{5}{6} \times \frac{6}{5} =$ _____.



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CLASS TEST FRACTIONS

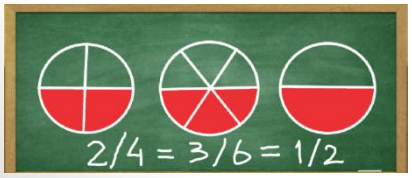
3 X 2=6

DO AS DIRECTED

1. Add these: $\frac{5}{7} + \frac{7}{8}$

2. Subtract these: $\frac{9}{4} - \frac{7}{4}$

3. Multiply these: $\frac{7}{4} \times \frac{2}{21}$



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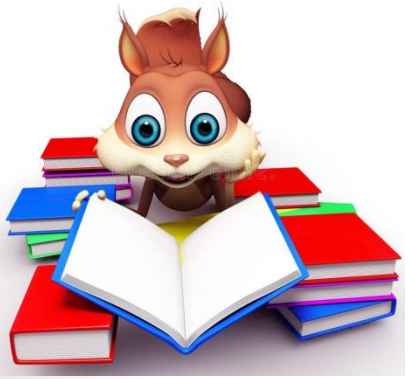
CLASS TEST FRACTIONS

WORD PROBLEM **2X 2=4**

1. Find the distance covered by a bus in 7 hours if the speed of the bus is $\frac{5}{28}$ km per hour.

2. The distance covered by a train in 5 hours is $11\frac{2}{3}$ km. Find the distance covered by the train in one hour.



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Let's Solve This!

CLASS TEST FRACTIONS

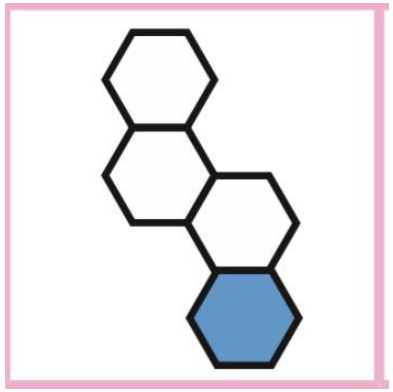
FILL IN THE BLANKS

1 X 5 = 5

1. Fractions with same denominators are ___Like___ fractions.

2. A/An ___Improper___ fraction can be converted into a mixed numeral.

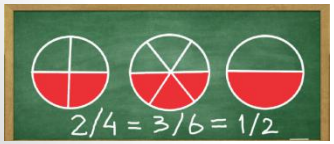
3. Write the fraction.



= $\frac{1}{4}$

4.If a numerator and denominator of a fraction are equal, then it is equal to ___1___.

5. Fill in the blanks $\frac{5}{6} \times \frac{6}{5}$ = ___1___.



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Let's Solve This!

CLASS TEST FRACTIONS

3 X 2=6

DO AS DIRECTED

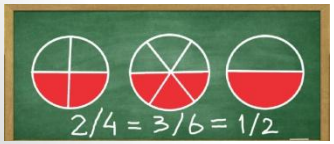
1. $\frac{5}{7} + \frac{7}{8}$

$$= \frac{8 \times 5 + 7 \times 7}{56} = \frac{40 + 49}{56} = \frac{89}{56}$$

2. $\frac{9}{4} - \frac{7}{4} = \frac{2}{4} = \frac{1}{2}$

3. $\frac{7}{4} \times \frac{2}{21} = \frac{\cancel{7} \times \cancel{2}}{\cancel{4} \times \cancel{21}} = \frac{1}{6}$

2 3



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Let's Solve This!

CLASS TEST FRACTIONS

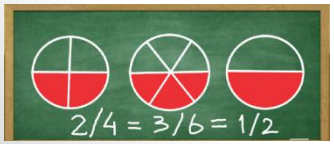
1. Find the distance covered by a bus in 7 hours if the speed of the bus is $\frac{5}{28}$ km per hour.

SOLUTION:

Distance covered in one hour = $\frac{5}{28}$

Distance covered in 7 hours = $\frac{5}{\cancel{28}_{4}} \times \frac{\cancel{7}}{1} = \frac{5}{4} = 1\frac{1}{4}$ **km**

∴ **The bus covered** $1\frac{1}{4}$ **km in 7 hrs.**



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Let's Solve This!

CLASS TEST FRACTIONS

2. The distance covered by a train in 5 hours is $11\frac{2}{3}$ km. Find the distance covered by the train in one hour.

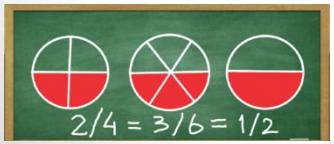
SOLUTION:

Distance covered in 5 hours = $11\frac{2}{3}$

Distance covered in one hour = $11\frac{2}{3} \div 5$

$$= \frac{35}{3} \div \frac{5}{1} = \frac{\cancel{35}^{7}}{3} \times \frac{1}{\cancel{5}} = \frac{7}{3} = 2\frac{1}{3}$$

∴ The train covered $2\frac{1}{3}$ km in 1hr.



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Students are able to solve various problems related to fractions.

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THANKING YOU

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