مدرســـــة أكاديميـــــة آسيـــا الشـــاملـــة
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DepED DEPARTMENT OF EDUCATION RECOGNIZED SCHOOL

Lesson: Dividing Fraction

Most Essential Learning Competency:

1) visualizes division of fractions.
2) divides simple fractions and whole numbers by a fraction and vice versa
3) solves routine or non-routine problems involving division without or with any of the other operations of fractions and whole numbers using appropriate problem solving strategies and tools .

Divide the following:

1) $5/8 \div 1/8 =$

Step 1: Turn the second fraction (the one you want to divide by) upside down(this is now a reciprocal).

$$\frac{1}{8} \text{ becomes } \frac{\quad}{\quad}$$

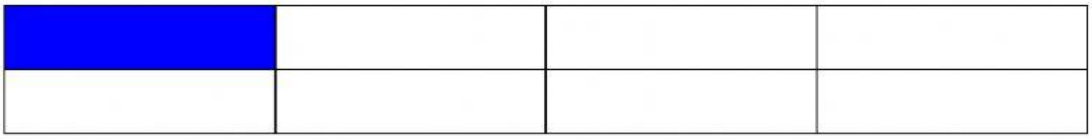
Step 2: Multiply the first fraction by that reciprocal:

$$\frac{\quad}{\quad} \times \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

Step 3: Simplify the fraction (if needed)

$$\frac{\quad}{\quad} =$$

How many



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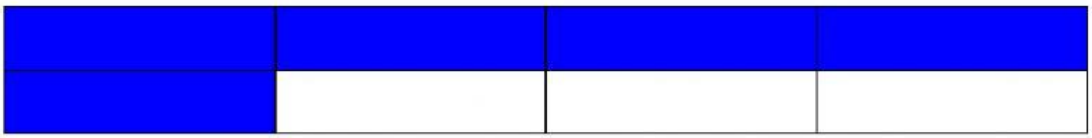

?

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Azizah Pajemolin

2) 2/4 ÷ 3 1/2 =

Step 1: Rename all mixed numbers into improper fractions. Turn the second fraction (the one you want to divide by) upside down(this is now a reciprocal).

$3\ \frac{1}{2}$ becomes ——

—— becomes ——

Step 2: Multiply the first fraction by that reciprocal:

$$\text{—} \times \text{—} = \frac{\text{x}}{\text{x}} = \text{—}$$

Step 3: Simplify the fraction (if needed)

—— =

How many

in

?

——

3) 2/5 ÷ 2 =

Step 1: Rename all mixed numbers into improper fractions. Turn the second fraction (the one you want to divide by) upside down(this is now a reciprocal).

2 becomes ——

—— becomes ——

Step 2: Multiply the first fraction by that reciprocal:

—— X —— = $\frac{\text{x}}{\text{x}}$ = ——

Step 3: Simplify the fraction (if needed)

—— =

How many

in

?

——

4) 7/8 ÷ 3 4/5 =

= —— ÷ ——

= —— x ——

= —— x ——

= ——

5) 2 3/5 ÷ 1 6/7 =

= —— ÷ ——

= —— x ——

= —— x ——

= ——