ANSWER KEY

GUIDED PRACTICE Lesson 5 - Multiplying and Dividing Fractions

	Part 1 - Multiplying Whole Numbers For the following problems, draw a	model to show how to solve.		
Taranta Managaran	5x3/5 00000	18 x 1/3	0000000000	00
of 3/5 ATT			1/3 18 times	
wholes	½ of the patients in ICU are male. If	there are 12 patients, what number		
	000000	日国日日日日	17 12 times is 6	
1	In the ER, a patient came in claimin to begin with, how many inches of	g to have cut off $1/4$ of her finger. If her finger did she cut off?		7 (511)
	图 图图		OR MID WIT	
	Part 2 - Multiplying Fractions by F For the following problems, draw a	model to show how to solve.	manuary Expression	3
Shade	2/3 x 3/5 e in 3/5 shade in f that	34 X 1/8	*	
	On Barbie's visits with her home he those patients needed a steroid inj	ealth patients today, 2/3 of the patiection. What fraction of the home h	ents needed an injection. 3/8 o ealth patients needed steroid	f
j	injections?		24 01	F
	3/3 (11/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1			•
2	2/3 of the staff at the hospital are in fraction of the total staff are nurse.	nurses. 1/8 of those nurses only wo		
,	William of the total staff are north	- TANA 14 -	2 or	12
1	Part 3 - Using the Algorithm	4		
	8/9 x 1/10	34 x 7/9	7/8×16	
8	x 10 = 8 = 4 45	34×9=36=12	$\frac{7}{8} \times \frac{16}{1} = \frac{112}{8} = \frac{112}{18}$	14
	96 x 1/6	11/3 x 6 1/8	2¾x9 2¾×9	:
96	$\frac{1}{6} = \frac{96}{6} = 16$	13 × 6 = 4 × 49 = 1	76 = 86 11 9	= 99 = 24-
		0	. ДУ-1	4 0 1

Part 4 - Whole numbers divided by fractions For the following problems, draw a model to show how to solve.
1 1 = 8 (How many 1/4s "How many
A gauze roll is 6 feet long, and must be cut up into strips of ¼ foot. How many strips can be made out of one gauze roll?
Part 5 - Fractions divided by whole numbers For the following problems, draw a model to show how to solve. Start with 1/2 1/2 4 = 4 = 7 = 7 = 1/2 =
Start with 1/2 1/2 ÷ 4 = 8 Divide the half into 1/4 ÷ 3 = 1/2 1/12 1/12 1/12 1/12 1/12
→ (
Betty works in the hospital cafeteria. She has ½ pound of chicken salad, and wants to make 8 croissants. How fraction of the chicken salad would go on each croissant? Part 6 – Fractions divided by fractions
For the following problems, draw a model to show how to solve. 1/2 + 1/3 = 1 1/2 "How many thirts are in 1/2?" 2/3 + 1/6" He sixths fit
1/2 + 1/3 = (1/2 thirds are in 1/2?" 2/3 + 1/6 [1/3 : 1/3] H sixths fit
How many 1/8 teaspoon doses of cough medicine could you get out of the 3/4 teaspoons left in the
bottle? 3/4 1/4 1/4 (6) 6 eights in 3/4
1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2

Part 7 - Using the algorithm

$$\frac{4/5 \div 1/4}{5/4} = \frac{11/2 \div 3/5}{3/5} = \frac{11/2 \div$$