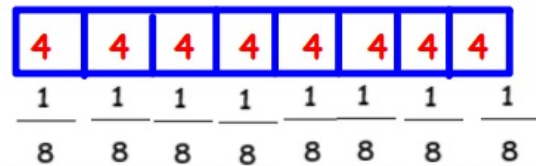


Date \_\_\_\_\_

Formative: Chapter 13 lesson B

- 1) David spent \$4 on a storybook. What he spent was  $\frac{1}{8}$  of the money he had. ← numbers of groups to draw

total amount of money  
a) How much money did he have?



$$8 \times 4 = \$32$$

The denominator is 8, so we draw a rectangle and we divide it to 8 equal parts.

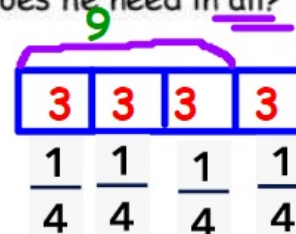
b) How much money is left with him?

$$\$32 - \$4 = \$28$$

$$\text{or } 7 \times 4 = 28$$

we should put 9 equally in 3 groups  $9 \div 3 = 3$

- 2) Benjamin has 9 cups of sugar. If this is  $\frac{3}{4}$  of the number of cups he needs to make a cake, how many cups does he need in all? ← numbers of groups to draw



$$4 \times 3 = 12 \text{ cups of sugar}$$

The denominator is 4, so we draw a rectangle and we divide it to 4 equal parts

3) There are <sup>all</sup> 25 students in a class. If  $\frac{2}{5}$  of the students are boys.

How many girls are there?



The denominator is 5, so we draw a rectangle and we divide it to 5 equal parts.

$25 \div 5 = 5$  so each part represents 5 students.

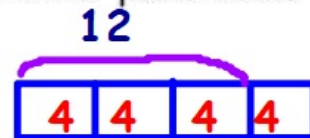
$2 \times 5 = 10$  boys

$3 \times 5 = 15$  girls

4) Tina has 12 pencils.

If this is  $\frac{3}{4}$  we need to put 12 equally into 3 groups so  $12 \div 3 = 4$

of the number of pencils she has in her pencil case.



How many pencils does she have altogether?

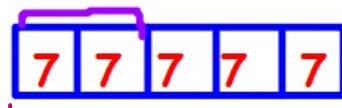
$4 \times 4 = 16$  pencils

The denominator is 4, so we draw a rectangle and we divide it to 4 equal parts.

Mark has <sup>all</sup> 35 cookies.

5) Mark shares  $\frac{2}{5}$  of his cookies with his friends.

How many cookies does he have left?



$35 \div 5 = 7$

so each part represents 7 cookies

$2 \times 7 = 14$  cookies

he gave 14 cookies to his friends

The denominator is 5, so we draw a rectangle and we divide it to 5 equal parts.

$35 - 14 = 21$  cookies left