

Date _____

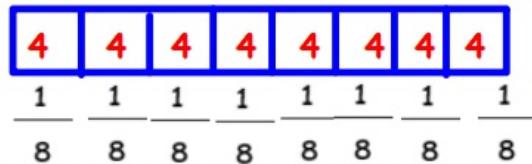
Formative: Chapter 13 lesson B

1) David spent \$4 on a storybook. What he spent was $\frac{1}{8}$ of the money he had.

8
8

numbers of groups to draw

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?



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

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

3) There are 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.

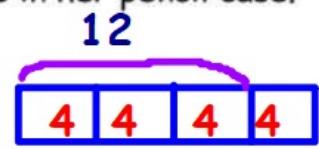
$25 \div 5 = 5$ so each part represents 5 students.

$$2 \times 5 = 10 \text{ boys}$$

$$3 \times 5 = 15 \text{ girls}$$

4) Tina has 12 pencils.

If this is $\frac{3}{4}$ of the number of pencils she has in her pencil case.



How many pencils does she have altogether?

$$4 \times 4 = 16 \text{ pencils}$$

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

Mark has 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

$$2 \times 7 = 14 \text{ cookies}$$

he gave 14 cookies to his friends



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

$$35 - 14 = 21 \text{ cookies left}$$