Name: .... Class: ....

Fractions of a number - word problems

a. On Saturdays, it takes Sakina and Christabell $\frac{1}{2}$ of an hour to clean the office. How many hours will they spend cleaning the office in the month of November if it has 4 saturdays ?

b. There are 120 students in a classroom. Three-quater of them are choosen to represent the school on Children's day. How many students will represent the school ?

c. Avery's sister is getting married on Saturday. Avery is in charge of cooking rice. She wants to cook 5 pots of rice. Each pot of rice needs $\frac{37}{5}$ cups of rice. How many cups of rice will Avery need to cook for the event ?

Name: .... Class: ....

Fractions of a number - word problems

a. On Saturdays, it takes Sakina and Christabell $\frac{1}{2}$ of an hour to clean the office. How many hours will they spend cleaning the office in the month of November if it has 4 saturdays ?

▸ $\frac{1}{2}$ of an hour to clean the office.

▸ November: 4 saturdays

Multiplication

$$4 \times \frac{1}{2} = \frac{4 \times 1}{2} = \frac{4}{2} = 2$$

It will take them 2 hours.

b. There are 120 students in a classroom. Three-quater of them are choosen to represent the school on Children's day. How many students will represent the school ?
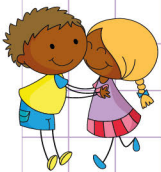
▸ total number of students: 120

▸ children choosen: three-quater
$\frac{3}{4}$

Multiplication

$$120 \times \frac{3}{4} = \frac{120 \times 3}{4} = \frac{\overset{90}{\cancel{360}}}{\cancel{4}^{1}} = 90$$

90 students will represent the school.

c. Avery's sister is getting married on Saturday. Avery is in charge of cooking rice. She wants to cook 5 pots of rice. Each pot of rice needs $\frac{37}{5}$ cups of rice. How many cups of rice will Avery need to cook for the event ?

▸ number of pots of rice: 5

▸ cups of rice needed per pot: $\frac{37}{5}$

Multiplication

$$5 \times \frac{37}{5} = \frac{37 \times 5}{5} = \frac{\overset{37}{\cancel{185}}}{\cancel{5}^{1}} = 37$$

Avery needs 37 cups to cook 5 pots of rice.