

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-quarters of them are chosen 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 events?
- d. In Joys' school, two - fifth of the 525 pupils in school are boys. How many pupils in the school are boys?
- e. If  $\frac{1}{12}$  of the 12 teachers in Joys' school are assigned to each class, how many teachers in the school are assigned per class?
- f. At a birthday party, Lucy's mother baked 300 cupcakes. The boys ate  $\frac{2}{3}$  of the cupcakes and the girls ate  $\frac{1}{3}$  of the cupcakes. How many cupcakes are left?
- g. Yesterday, Aubrey and her 15 friends ordered shawarma. If each person ate  $\frac{1}{4}$  of a shawarma, how many shawarma did each person eat?
- h. Nora always makes sure that she typed 7,000 words each day to increase her typing skills. She usually spends  $\frac{2}{7}$  of an hour to do this. If she does this for seven consecutive days, how much time did she spend typing for the seven consecutive days in all?
- i. Out of the 10 clothing stores and 8 jewelry stores,  $\frac{4}{6}$  of the store are highly branded stores. How many stores are highly branded?

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▶  $\frac{1}{2}$  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. 90 students will represent the school.

c. Avery needs 37 cups to cook 5 pots of rice.

d. So, there are 210 pupils in the school are boys.

e. So, 1 teacher is assigned per class.

f. Since, the boys ate 200 cupcakes and the girls ate 100 cupcakes, there were no cupcakes left.

g. So, each person ate 4 shawarma.

h. So, she spent 2 hours typing for the seven consecutive days in all.

i. So, 12 stores are highly branded.