

Mixed word problems

Grade 1 Word Problems Worksheet

There are 3 floors in this office building. There are 3 offices on the first floor and 6 offices on the second floor.

1. If there are total of 15 offices in the building, how many offices are on the third floor?

2. On the second floor, two of the front doors of the offices are white and three of the front doors are black and the rest is made of glass. What fraction of the front door are made of glass?

3. There are 5 staff in each of the 3 offices on the first floor. How many staff are working on the first floor?



4. There are 9 vending machines in the building but only $\frac{5}{9}$ of them are working.
How many vending machines are working?
How many vending machines are not working?
5. A new vending machine is ordered to replace an old vending machine. The old vending machine is 24 inches wide and it is 3 inches wider than the new vending machine. How wide is the new vending machine?
6. To save energy, the elevator in the office building only runs from 8 o'clock to 10 o'clock in the morning and 3 o'clock to 6 o'clock in the afternoon. How many hours does the elevator run everyday?

Answers

- $15 - 3 - 6 = 6$
There are 6 offices on the third floor.
- $6 - 2 - 3 = 1$
1 door is made of glass.
 $\frac{1}{6}$ of the doors are made of glass.
- $5 + 5 + 5 = 15$
There are 15 staff working on the first floor.
- 5 of the vending machines are working.
4 of the vending machines are not working.
- $24 - 3 = 21$
The new vending machine is 21 inches wide.
- 8 o'clock to 10 o'clock in the morning is 2 hours.
3 o'clock to 6 o'clock in the afternoon is 3 hours.
 $2 + 3 = 5$
The elevator runs for 5 hours each day.