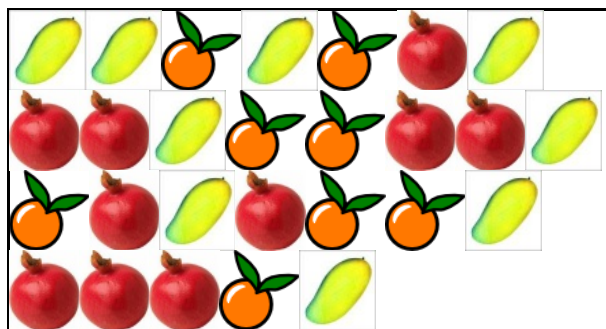


**Answer the questions**

- (1) While running late for school, Olga picks up a fruit from the fruit basket that have the following fruits. What is the probability that Olga picked a mango?



- (2) Honza tosses a dice twice. What is the probability that the sum of the values obtained in the throws is 10?
- (3) What is the average of 7 consecutive integers starting from 11?
- (4) The given table shows the marks of 12 college students in the Science exam.

Name	Marks (Out of 80)	Name	Marks (Out of 80)
Dominika	48	John	26
Sasha	70	Andrew	70
Stelios	41	Alexander	19
Peter	23	Andrey	53
Sasha	18	Chris	75
Alexandr	79	Sebastian	78

What is the average score of the class?

- (5) From a deck of cards, Pavel withdrew a card randomly. What is the probability that the number on the card is a composite number?
- (6) There are 36 students in a class, out of which 24 are girls. If a teacher randomly picks a student, what is the probability that the student picked is a boy?
- (7) You can form exactly 6 three digit numbers using the digits 2, 3 and 4 exactly once in one number. What is the average of these six numbers?

- (8) A group of students from a German college are selected for a study. The color of the eyes of the students are noted as:

Color of Eyes	Number of Students
brown	6
blue	11
black	10
grey	2
green	10

What is the probability that the color of a student's eyes, chosen randomly, starts with the letter  $g$ ?

- (9) In an office, the age of the employees is as follows:  
55 , 51 , 27 , 34 , 55 , 49 , 39 , 26 , 27 , 34 , 52 , 55.  
Find the average of their ages?
- (10) There are 7 black balls, 13 green balls, and 15 orange color balls in a bag. What is the probability of picking up one green ball out of the bag without looking?
- (11) Find the mean of all the internal angles of a pentagon.
- (12) Marek throws a dice. What is the probability that he will roll a number more than 1?
- (13) A teacher measures the heights of 13 students of her class as follows (in centimeters):  
118, 138, 151, 157, 111, 148, 113, 113, 150, 119, 160, 111 and 126.  
What is the median of their heights?
- (14) If there are  $n$  numbers of which one is  $\left(1 - \frac{1}{n^5}\right)$  and all the others are 1's, then by how much is the arithmetic mean of these numbers less than 1.

**Choose correct answer(s) from the given choices**

- (15)** The average of any four consecutive odd integers is always
- a. odd                                      b. a proper fraction  
c. even                                     d. a prime number