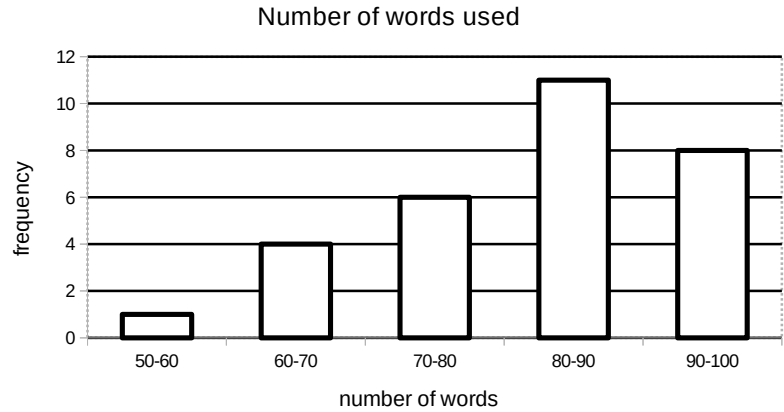


Fill in the blank spaces with your answer. 2 points for each task.

1. An English teacher asked her students to write a brief description of themselves. The teacher recorded the number of words each student used, and displayed the results in a column graph. How many students are in the class?



There are students in the class.

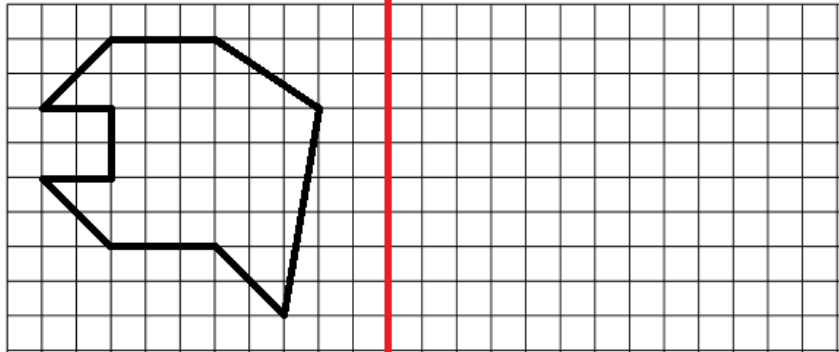
2. The stall sells 6 types of fruit flavored ice cream, 2 types of chocolate and 3 types of nut ice cream. I chose one ice cream. What is the probability that I chose a chocolate or nut flavored ice cream?

The probability that the chosen ice cream is chocolate or nut is

3. Write down the following number in the sequence:

64, 16, 4, 1,

4. Reflect the figure in the red mirror line (you can draw free-hand):



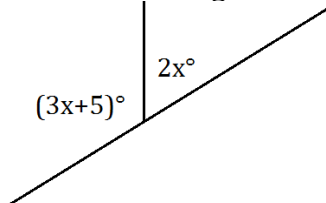
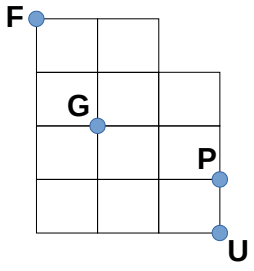
5. The cake recipe lists 250 g of flour, 150 g of sugar and 200 ml of milk. I will bake a cake where I will use 300 g of flour. How much sugar and milk do I have to put in the cake to maintain the ratio of ingredients.

I have to put of sugar and of milk to maintain the ratio of ingredients.

MATHEMATICS ADMISSION TEST for MYP3 class - exemplar

Choose and mark the correct answer. Only one answer is correct. 3 points for each task.			
6.	<p>How many different numbers exist which satisfy all these conditions:</p> <ul style="list-style-type: none"> • have 3-digits • the sum of all digits is 5 • have different digits? 	A.	7
		B.	8
		C.	15
		D.	17
7.	<p>How many times is a third of a quarter greater than a fifth of a sixth?</p>	A.	twice
		B.	two and half times
		C.	three times
		D.	five times
8.	<p>Find:</p> $\sqrt{81} : \frac{3}{4} + (-2)^3 - 2 \times \frac{7}{6} =$	A.	-1
		B.	$\frac{3}{4}$
		C.	$\frac{5}{3}$
		D.	$\frac{53}{3}$
9.	<p>If you borrow money from a bank, you must repay the loan in full and also pay an additional charge called interest. Simple interest is an interest that is calculated each year as a fixed percentage of the original amount borrowed. Find the total amount needed to repay a loan of 800 € borrowed for 4 years at 7 % interest.</p>	A.	224 €
		B.	800 €
		C.	828 €
		D.	1 024 €
10.	<p>Peter is spending his holiday at his grandparents. He decided to cut some wood which had been laid in the yard. If he was cutting for half an hour a day, he would finish the job in 8 days. However, due to the ending holidays he needed to finish cutting the wood 3 days earlier. How many minutes a day does he have to cut to finish the work by the end of the holidays?</p>	A.	38 minutes
		B.	45 minutes
		C.	48 minutes
		D.	60 minutes
11.	<p>There is 75 liters of water in the aquarium. The base measures 30×50 cm. How high does the water reach?</p>	A.	0.3 dm
		B.	0.7 dm
		C.	50 cm
		D.	25 l

MATHEMATICS ADMISSION TEST for MYP3 class - exemplar

12.	In a class of 26 students, 13 own a smartphone, 9 own a laptop, and 5 own both items. How many students in the class own neither a smartphone nor a laptop?	A.	5
		B.	8
		C.	9
		D.	14
13.	Find the size of angle x : 	A.	17.5°
		B.	35°
		C.	40°
		D.	70°
14.	Solve the equation and find the value of x . $5 \times (2 + 3x) = 10x + 15$	A.	$\frac{1}{5}$
		B.	$\frac{2}{5}$
		C.	1
		D.	4
15.	The diagram shows all routes from France to the Ukraine. The picture shows both Germany and Poland. Find out how many different shortest routes there are from France to Ukraine if we have to go through Germany and we can't go through Poland. 	A.	2
		B.	6
		C.	9
		D.	15

☺☺☺ **The end of the test!** ☺☺☺