

Class: VI-VIII

Fun with Mathematics

Materials Designed by BRAC University Centre for Languages (BU-CfL)

A. Aladin is eager to learn Mathematics because he wants to participate in a maths competition in his school. He asked Genie to help him. Genie suggested a new "Robot" called "Math Master" which can solve all kinds of mathematical problems. Read the conversation between Aladin and "Math Master".



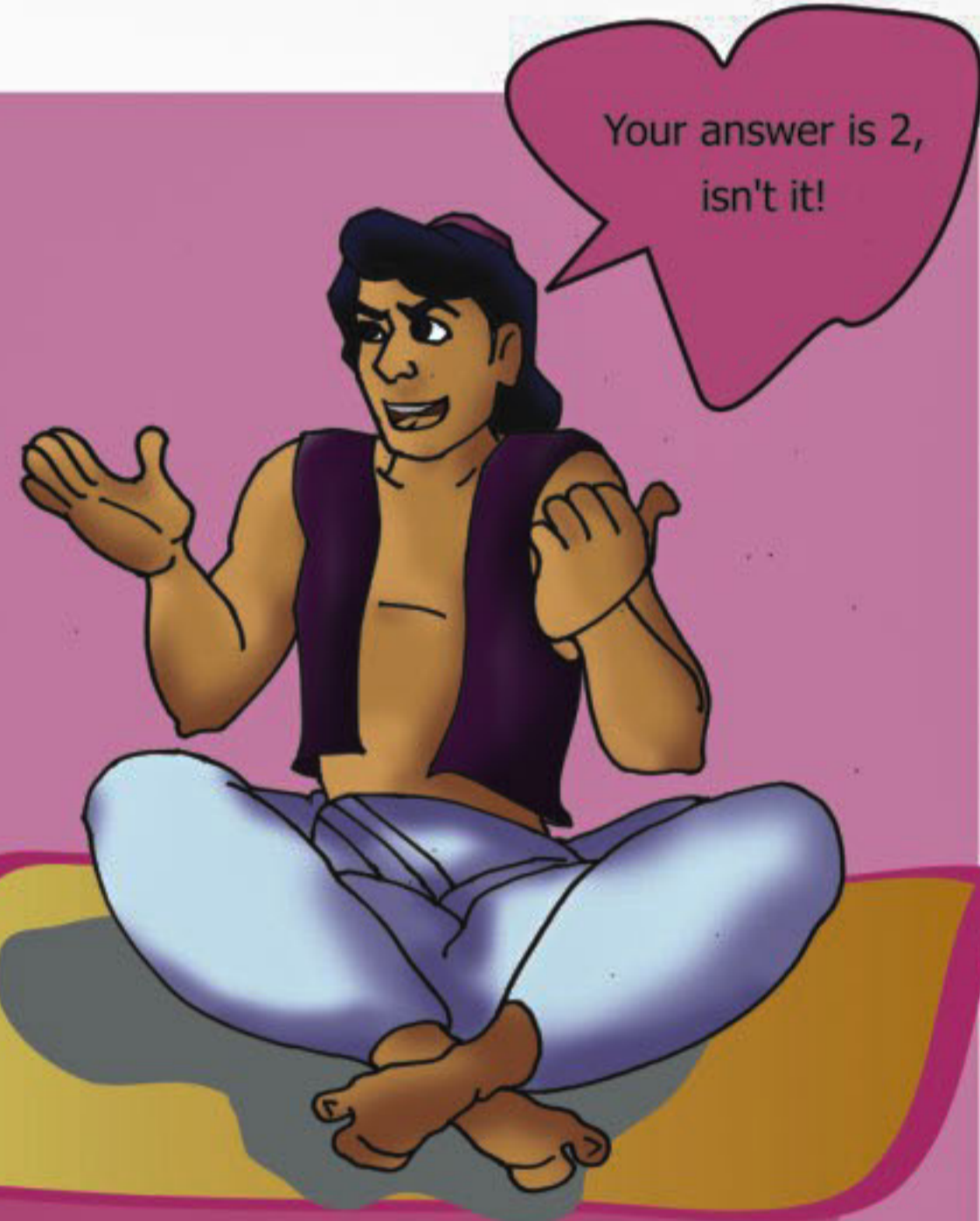
Aladin: Hello, How are you?
 Math Master: I am fine, thank you. What about you?
 Aladin: I am fine too. Can you tell me why do we need maths?
 Math Master: It helps us to calculate in our daily life.
 Aladin: So, what is Addition?
 Math Master: Addition is finding the total, or sum of numbers, by counting two or more numbers together.
 Aladin: Ok, thanks. Now, what about Subtraction?
 Math Master: Well, Subtraction is taking away one number from another.
 Aladin: So that is clear! Now, I would like to know about Multiplication and Division.
 Math Master: Sure, Multiplication is actually repeated addition but Division is dividing a number by another number.
 Aladin: Thank you so much. I have learnt many things from you today.
 Math Master: You are welcome.

Complete the following sentences with the correct mathematical terms.

- There were 20 parrots and 15 pigeons. We can get total number of birds by doing
- Each football team has 11 players. To get the total player number of 8 such teams, we have to do
- You have 30 students in your class, 24 students are present. To get the number of absent students, we have to do
- If you want to give tk.100 equally to your 4 friends, you need to do

B. Aladin has learned that Mathematics is fun; he has learned a magic called the "Magic of 2" from the Genie, where the answer will always be 2. To learn this magic you must do the following calculation.

- Step 1: think of a number
- Step 2: multiply it by 2 $\times 2$
- Step 3: add 4 to the result $+ 4$
- Step 4: divide the result by 2 $\div 2$
- Step 5: subtract the first number from it



Learning Objectives:

- To make students familiar with mathematical terms.
- To make students think critically and laterally

Answer Keys:

- Answer Keys: A.1.addition 2.multiplication 3.subtraction 4. division
 B. will always remains 2 at the end.
 C. 1. divides 2. have 3. the 4. by 5. numbers 6. smallest
 D. $b \div v$, $c + v$, $d + v$, $e + i$, $f + ii$, $g + iv$

C. To check if Aladin has really learned, Genie gave him some meanings of mathematical terms. Help Aladin to rewrite the definitions on the line below using the correct word from the choices given.

- A factor is a number that divides/ divide/ divided another number.
.....
- When two numbers have/ has/ had the same factor, it is called their common factor.
.....
- The Highest Common Factor (HCF) is the number with the/ a/ none highest value among all the factors.
.....
- A multiple is a number that can be divided from/ with/ by another number.
.....
- The common multiple of two numbers can be divided by both these numbers/number/numbered.
.....
- The Lowest Common Multiple (LCM) of some numbers is the small/ smallest/ smaller number that can be divided by all the numbers.
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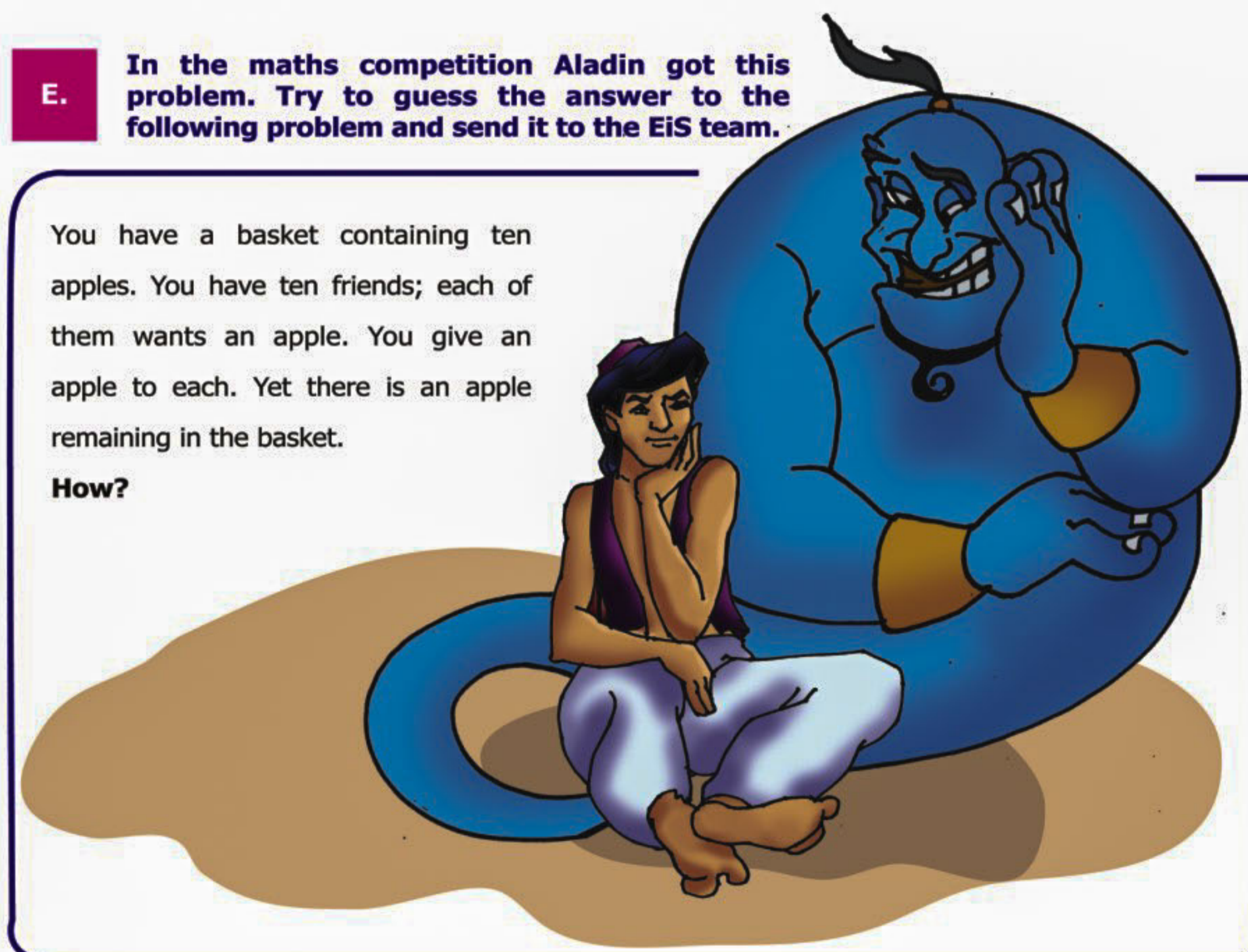
D. The Robot gave Aladin a dictionary with pictures of geometrical figures along with their definition. Unfortunately this particular page had been printed in a jumbled way. So, can you help Aladin to put it right by matching the correct definition to each figure for him? The first one is done for you as an example.

	a. Triangle	i. the distance from the center to the edge of a circle
	b. Square	ii. the distance around the edge of a circle
	c. Rectangle	iii. it is a closed plane figure having three sides and three angles
	d. Circle	iv. The space within the two straight lines meeting at a common point
	e. Radius	v. it has four right angles and its opposite sides are equal
	f. Circumference	vi. it has four equal sides and four right angles
	g. Angle	vii. it is a round, flat shape, all whose points are at equal distance from the centre

E. In the maths competition Aladin got this problem. Try to guess the answer to the following problem and send it to the EIS team.

You have a basket containing ten apples. You have ten friends; each of them wants an apple. You give an apple to each. Yet there is an apple remaining in the basket.

How?



HISTORICAL SITES IN BANGLADESH

Historical places are just as important as history itself. Lal Bagh Fort & Ahsan Manzil in Dhaka, Moinamoti in Comilla and Mahasthangarh in Bogra, to name only a few, are great places holding our rich heritage.

