

Name: _____

Class: _____

Show your working. Questions 1 to 4 are for everyone. Question 5 is optional.

- 1**
- Quang is a new striker. His goals in five months: 5, 2, 7, 3, 8.

a) Find Quang's mean number of goals per month.

Mean = _____

b) Complete the table.

Goals (x)	Deviation $x - \text{mean}$	Absolute deviation $ x - \text{mean} $
5		
2		
7		
3		
8		
Sum =		

c) Calculate the MAD.
Show your working.
MAD = _____

- 2**
- What does Quang's MAD tell you about his goals each month? Write one sentence.

- 3**
- Bảo's goals in the same five months: 5, 4, 6, 5, 5. His mean is also 5.
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- Quang and Bảo have the same mean. Why is the mean not enough to compare these two strikers?

- 4**
- Your club wants a striker who scores about 5 goals every month. Here are three strikers.

Striker	Mean (goals per month)	MAD
Bảo	5	0.4
Vinh	5	3.2
Duy	2	0.4

Which striker fits best? Use the mean and the MAD. Say why you did not choose the other two strikers.

- 5 Optional.**
- These numbers come from only five months. Give one reason to be careful before your club signs a striker.
