

## Difficult Problem Solving Questions

### *Median S*

Set  $S$  consists of the following unique integers:  $-2, 17, 3, n, 2, 15, -3,$  and  $-27$ ; which of the following could be the median of set  $S$ ?

- A) 1
- B) 9
- C) 14
- D) 17
- E) It Cannot Be Determined

[View Answer and Explanation](#)

### *A Row of Seven*

A group of seven students is to be seated in a row of seven desks. In how many different ways can the group be seated if two of the preselected students must sit in an end seat (i.e., two students have been preselected to sit in either the first or the seventh seat)?

- A) 49
- B) 100
- C) 120
- D) 240
- E) 720

[View Answer and Explanation](#)

### *Three Dice*

A fair sided die labeled 1 to 6 is tossed three times. What is the probability the sum of the 3 throws is 16?

- A)  $1/6$
- B)  $7/216$
- C)  $1/36$
- D)  $9/216$
- E)  $11/216$

[View Answer and Explanation](#)

***Five Empty Chairs***

There are five empty chairs in a row. If six men and four women are waiting to be seated, what is the probability that the seats will be occupied by two men and three women?

- A)  $4/21$
- B)  $5/21$
- C)  $8/21$
- D)  $9/21$
- E)  $11/21$

[View Answer and Explanation](#)

### *Coin Sum*

A coin has two sides. One side has the number 1 on it and the other side has the number 2 on it. If the coin is flipped three times what is the probability that the sum of the numbers on the landing side of the coin will be greater than 4?

- A)  $3/8$
- B)  $1/16$
- C)  $1/8$
- D)  $1/2$
- E)  $1/4$

[View Answer and Explanation](#)

[GMAT Practice Questions](#) | [GMAT Study Guide](#) | [Free GMAT Prep](#)  
[www.platinummat.com](http://www.platinummat.com) | [GMAT Practice Test](#)

Permissions: You are permitted and encouraged to distribute this material pursuant to PlatinumPrep, LLC's [terms of use](#) provided that you do not charge for it and you do not alter the content or format. You are encouraged to link to [www.platinummat.com](http://www.platinummat.com) so others can find more world-class free GMAT preparation materials.

GMAT™ is a registered trademark of The Graduate Management Admission Council™ (GMAC), which does not endorse nor is affiliated in any way with PlatinumPrep, LLC. All content and practice questions are written by PlatinumPrep, LLC not GMAC.

[GMAT Practice Questions](#) | [GMAT Study Guide](#) | [Free GMAT Prep](#)  
[www.platinummat.com](http://www.platinummat.com) | [GMAT Practice Test](#)

**Copyright © 2009 PlatinumPrep, LLC.**  
May be distributed freely, but not modified.