

a)  
The mean score of a dance routine from five judges is 8.  
Four of the judges scored the dance as 7, 8, 7 and 9.  
What was the fifth judge's score?

What is the total of the five scores?	$8 \times 5 = 40$
What is the total of the four scores that we know?	$7 + 8 + 7 + 9 = 31$
What was the score from the fifth judge?	$40 - 31 = 9$

b)  
The mean score of four rounds of golf is 89.  
Three of the scores were 83, 91 and 94.  
What was the fourth score?

What is the total of the four scores?	$89 \times 4 = 356$
What is the total of the three scores that we know?	$83 + 91 + 94 = 268$
What was the score from the fourth round?	

c)  
The mean number of goals scored from eight players is 4.25.  
Three of players scored 3 goals each, two of the players scored 4 goals each, one player scored 5 goals and another player scored 6 goals.  
How many goals did the eighth player score?

How many goals were scored in total?	$4.25 \times 8 = 34$
What is the total number of goals that we know?	
How many goals did the eighth player score?	

d)  
The mean number of marks on an exam scored by six friends was 53.  
Five of the friends scored 61, 48, 53, 42 and 43 marks.  
How many marks did the sixth friend score?