





Part C: Each correct answer is worth 8.

1. The integer 086 005 may be written as the product of three 2-digit positive integers the sum of these three integers the sum of these three integers the sum of these three integers of the sum of these three integers of the sum of these three integers of the sum of the sub and height 30 m. A spiral statraces with constant slops or vertical ladder of height 50 m then extends to the top of the tower. Which of the following is closest to to tot distance along the statrace and up the ladder to the top of the tower. Which of the following is closest to to tot to the tower.

(1) 
$$(72.6 \text{ m} (1) 320.2 \text{ m} (2) 71.6 \text{ m}$$
(1)  $(73.6 \text{ m} (2) 51.1 \text{ m}$ 

(2) Joshna chooses five distinct numbers. In how many different ways can be assign these numbers to the variables  $p, q, r, s, and t s othat  $p < s, q < s, s, r < t, and  $s < ct$ .

(3)  $(1) = (1) = (2) =$$$ 

Institute # \*\* \*

mytitute # # \*\*

Tartitute # \*\* \*

Taritule # # "

Institute # \*\* \*

Institute the tot 's

