

# Test Prep

**PSAT Exam**

Test Prep Certifications

## Questions & Answers

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**Question: 1**

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If Lynn can type a page in  $p$  minutes, what piece of the page can she do in 5 minutes? Math

- A.  $5/p$
- B.  $p - 5$
- C.  $p + 5$
- D.  $p/5$
- E.  $1 - p + 5$

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**Answer: A**

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**Question: 2**

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A right triangle has two sides, 9 and  $x$ , and a hypotenuse of 15. What is  $x$ ?

Math

- A. 14
- B. 13
- C. 11
- D. 12
- E. 10

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**Answer: D**

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**Explanation:**

We can use the Pythagorean Theorem to solve for

$$x^2 + 9^2 = 15^2$$

$$x^2 + 81 = 225$$

$$x^2 = 144$$

$$x = 12$$

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**Question: 3**

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The perimeter of a square is 12in. If the square is enlarged by a factor of three, what is the new area?

Math

- A.  $81\text{in}^2$
- B.  $9\text{in}^2$
- C.  $36\text{in}^2$
- D.  $27\text{in}^2$
- E.  $48\text{in}^2$

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**Answer: A**

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**Explanation:**

The perimeter of a square is given by  $P = 4s = 12$  so the side length of the original square is 3 in. The side of the new square is enlarged by a factor of 3 to give  $s = 9$  in. So the area of the new square is given by  $A = s^2 = (9)^2 = 81 \text{ in}^2$ .

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**Question: 4**

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Richard III was without any doubt whatsoever the most evil man to have worn the crown of England.

Attached

to his name are so many crimes, and crimes so heinous and unnatural, that it is scarcely credible that such a

monster could exist. He not only committed murder on a number of occasions, but many of those he murdered

he had either sworn to protect or should have been expected to defend with his last ounce of strength if he had

anything approaching human feelings. First on the list of crimes was the death of his sovereign, Henry VI.

Granted that Henry had been deposed by Richard's brother, and hence could not easily claim Richard's loyalty

The word heinous in line 4 means

Reading

- A. awful
- B. secretive
- C. bloody
- D. deceitful
- E. dishonest

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**Answer: A**

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**Explanation:**

Richard is heinous (evil), shown by the synonyms "evil" and "unnatural."

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**Question: 5**

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Passage adapted from Joshua Lawrence Chamberlain's "The Passing of the Armies" (1915)

The attack was impetuous; the musketry hot. Major Glenn with his six companies in skirmishing order dashed

through the stream and struck the enemy's breastworks front and flank. In a moment everything started loose.

The entire brigade forded the stream and rolled forward, closing upon Glenn right and left, and the whole command swept onward like a wave, carrying all before it a mile or more up the road, to the buildings of the

Lewis Farm. The enemy now re-enforced made a decided stand, and the fight became sharp. But our enveloping line pressed them so severely that they fell back after each struggle to the edge of a thick wood.

where a large body had gathered behind a substantial breastwork of logs and earth. A withering volley breaks our line into groups. Courage and resolution are great, but some other sentiment mightier for the moment controls our men; a backward movement begins, but the men retire slowly, bearing their wounded with them, and even some of their dead. The enemy, seeing this recoil, pour out of their shelter and make a dash upon our broken groups, but only to be dashed back in turn hand to hand in eddying whirls. And seized by our desperate fellows, so many are dragged along as prisoners in the receding tide that it is not easy to tell which side is the winning one. Much of the enemy's aim is unsteady, for the flame and murk of their thickening fire in the heavy moist air are blown back into their eyes by the freshening south wind. But reinforcements are coming in, deepening and broadening their line beyond both our flanks. Now roar and tumult of motion for a fierce pulse of time, then again a quivering halt. At length one vigorous dash drives the assailants into the woods again with heavy loss. We had cleared the field, and thought it best to be content with that for the present. We reform our lines each side the buildings of the Lewis Farm, and take account of the situation.

The term "eddying whirls" in the second paragraph serves to \_\_\_\_\_.

#### Reading

- A. describe the terrain of the battle
- B. add poetic imagery to the author's description of the waves
- C. increase the sense of disorganization and confusion
- D. convey a sense of despair among the troops

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**Answer: B**

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#### Explanation:

In the first paragraph, the troops "roll forward" and "the whole command swept forward like a wave." This sets the tone for the second paragraph where the imagery is continued. The battle moves forward and then backward, just like waves. The enemy then dashes forward, trying to cut off the US troops that have been broken up into small groups just like "eddying whirls." As the US troops retreat, "many (men) are dragged along as prisoners in the receding tide."

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