

Pre-Algebra Practice Test Question Answers
[Test SET 2]

1. If $3x = y - 5$ and $x = -4$, then $y = ?$	
<input checked="" type="radio"/> -7	<input checked="" type="radio"/> 5
<input checked="" type="radio"/> 9	<input checked="" type="radio"/> -9
<input checked="" type="radio"/> 7	

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2. If 9 is P percent of 17, then P is a number between	
<input type="radio"/> 10 to 50	<input type="radio"/> 20 to 40
<input type="radio"/> 30 to 60	<input type="radio"/> 20 to 60
<input type="radio"/> 40 and 60	

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3. $2.5 \div 1000$ is equal to	
<input type="radio"/> 0.025	<input type="radio"/> 0.0025
<input type="radio"/> 0.2500	<input type="radio"/> 25000
<input type="radio"/> 0.250	

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4. $\sqrt{6^2+3^2}6+3_2$	
<input type="radio"/> 7.2	<input type="radio"/> 7.9
<input type="radio"/> 13.6	<input type="radio"/> 14.6
<input type="radio"/> 17.0	

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5. A basketball team won 10 games and lost 15. What is the ratio of wins to the <u>total</u> number of games?	
<input type="radio"/> $\frac{32}{23}$	<input type="radio"/> $\frac{23}{32}$

<input type="radio"/> $\frac{27}{72}$	<input type="radio"/> $\frac{37}{73}$
<input type="radio"/> NOTA	

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6. Which of the following is the prime factorization of 28?	
<input type="radio"/> $2 \times 2 \times 7$	<input type="radio"/> 2×7
<input type="radio"/> $2 \times 3 \times 7$	<input type="radio"/> $2 \times 3 \times 3$
<input type="radio"/> $2 \times 5 \times 7$	

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7. $4(x + 6) + 2(3x - 5) = ?$	
<input type="radio"/> $2 \times 2 \times 7$	<input type="radio"/> 2×7
<input type="radio"/> $2 \times 3 \times 7$	<input type="radio"/> $2 \times 3 \times 3$
<input type="radio"/> $2 \times 5 \times 7$	

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8. The area A of a circle is given by the formula: $A = \pi r^2$ If the radius of the circle is 7 inches, find the area of the circle.	
<input type="radio"/> 7π sq. inches	<input type="radio"/> 28π sq. inches
<input type="radio"/> 39π sq. inches	<input type="radio"/> 41π sq. inches
<input type="radio"/> 49π sq. inches	

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9. What is the average (arithmetic mean) of 34, 43, 17 and 67?	
<input type="radio"/> 40.25	<input type="radio"/> 80.00
<input type="radio"/> 20.50	<input type="radio"/> 25.00
<input type="radio"/> 70.25	

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10. $(-5)(16)(-3)(-2) = ?$

240

-240

480

-480

-360

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