

1.	<p><b>Answer:</b> 0 %</p> <p><b>Explanation:</b> Since <math>3x / 2 = x / (2 / 3)</math></p>
2.	<p><b>Answer:</b> 250 lines of codes</p>
3.	<p><b>Answer:</b> 150 men.</p> <p><b>Explanation:</b> One day's work = <math>2 / (7 * 90)</math> One hour's work = <math>2 / (7 * 90 * 8)</math> One man's work = <math>2 / (7 * 90 * 8 * 75)</math></p> <p>The remaining work (5/7) has to be completed within 60 days, because the total number of days allotted for the project is 150 days.</p> <p>So we get the equation</p> $(2 * 10 * x * 60) / (7 * 90 * 8 * 75) = 5/7 \text{ where } x \text{ is the number of men working after the } 90^{\text{th}} \text{ day.}$ <p>We get <math>x = 225</math> Since we have 75 men already, it is enough to add only 150 men.</p>
4.	<p><b>Answer:</b> Cost price of horse = Rs. 400 &amp; the cost price of cart = 200.</p> <p><b>Explanation:-</b> Let x be the cost price of the horse and y be the cost price of the cart. In the first sale there is no loss or profit. (i.e.) The loss obtained is equal to the gain.</p> <p>Therefore <math>(10/100) * x = (20/100) * y</math></p> $x = 2 * y \text{ -----(1)}$ <p>In the second sale, he lost Rs. 10. (i.e.) The loss is greater than the profit by Rs. 10.</p> <p>Therefore <math>(5 / 100) * x = (5 / 100) * y + 10 \text{ -----(2)}</math> Substituting (1) in (2) we get <math>(10 / 100) * y = (5 / 100) * y + 10</math> <math>(5 / 100) * y = 10</math> <b>y = 200</b> From (1) <math>2 * 200 = x = 400</math></p>

5.	<p><b>Answer:</b> 11 &amp; 9 apples per tree.</p> <p><b>Explanation:</b> Let a, b, c, d &amp; e be the total number of apples bored per year in A, B, C, D &amp; E 's orchard. Given that <math>a + 1 = b + 3 = c - 1 = d + 3 = e - 6</math> But the question is to find the number of apples bored per tree in C and D 's orchard. If is enough to consider <math>c - 1 = d + 3</math>. Since the number of trees in C's orchard is 11 and that of D's orchard is 13. Let x and y be the number of apples bored per tree in C &amp; d 's orchard respectively. Therefore <math>11x - 1 = 13y + 3</math> By trial and error method, we get the value for x and y as 11 and 9</p>
6.	<p><b>Answer:</b> (c)</p>
7.	<p><b>Answer:</b> Fakis <b>Explanation:</b></p>
8.	<p><b>Answer:</b> <math>(y - 2) / y</math>.</p> <p><b>Explanation:</b> To type a manuscript karthik took y hours. Therefore his speed in typing = <math>1/y</math>. He was called away after 2 hours of typing. Therefore the work completed = <math>1/y * 2</math>. Therefore the remaining work to be completed = <math>1 - 2/y</math>. (i.e.) work to be completed = <math>(y-2)/y</math></p>
9.	<p><b>Answer :</b> d) Any of the other three. <b>Explanation :</b> From the data given, we can infer the following. A knows Spanish, Italian B knows Spanish, English C knows Italian, English D knows Spanish, French E knows Italian, French To act as an interpreter between C and D, a person has to know one of the combinations Italian&amp;Spanish, Italian&amp;French, English&amp;Spanish, English&amp;French A, B, and E know atleast one of the combinations.</p>
10.	

	<p>2. In the following figure:</p> <pre>       A  B  C         D       E  F  G           H           I </pre> <p>Each of the digits 1, 2, 3, 4, 5, 6, 7, 8, and 9 is:</p> <p>a) Represented by a different letter in the figure above.</p> <p>b) Positioned in the figure above so that each of <math>A + B + C</math>, <math>C + D + E</math>, <math>E + F + G</math>, and <math>G + H + I</math> is equal to 13.</p> <p>Which digit does E represent?</p> <p><b>Ans.</b> E is 4</p>
11.	<p><b>Answer:</b>  <math>x = 4</math></p> <p><b>Explanation:</b>          Since the side of the square is <math>x + 2</math>, its perimeter = <math>4(x + 2) = 4x + 8</math>          Since the side of the equilateral triangle is <math>2x</math>, its perimeter = <math>3 * 2x = 6x</math>          Also, the perimeters of both are equal.          (i.e.) <math>4x + 8 = 6x</math>          (i.e.) <math>2x = 8 \rightarrow x = 4</math>.</p>
12.	<p>Given Ans. (a) if only argument I is strong          (b) if only argument ii is strong          (c) if either I or ii is strong          (d) if neither I nor ii is strong          (e) if both I and ii are strong</p>
13.	<p>The arrangement is <math>7^2 - 3^2 = 40</math>; <math>5^2 - 3^2 = 16</math>; <math>9^2 - 4^2 = 65</math>; <math>4^2 - 2^2 = 12</math></p>
14.	
15.	<p>It is mentioned in the passage that India produced 4 million tones more than U.S and become first in the world . so, it is probably true that U.S. is the Second largest product of milk.</p>