

At noon Papa George was in the habit of placing 8 pennies into a jar. A short while later little Joe would 14. take half of the pennies in the jar. If there were 9 pennies in the jar on Friday afternoon, how many pennies were there on the Monday morning of that week (i.e. four days earlier)?

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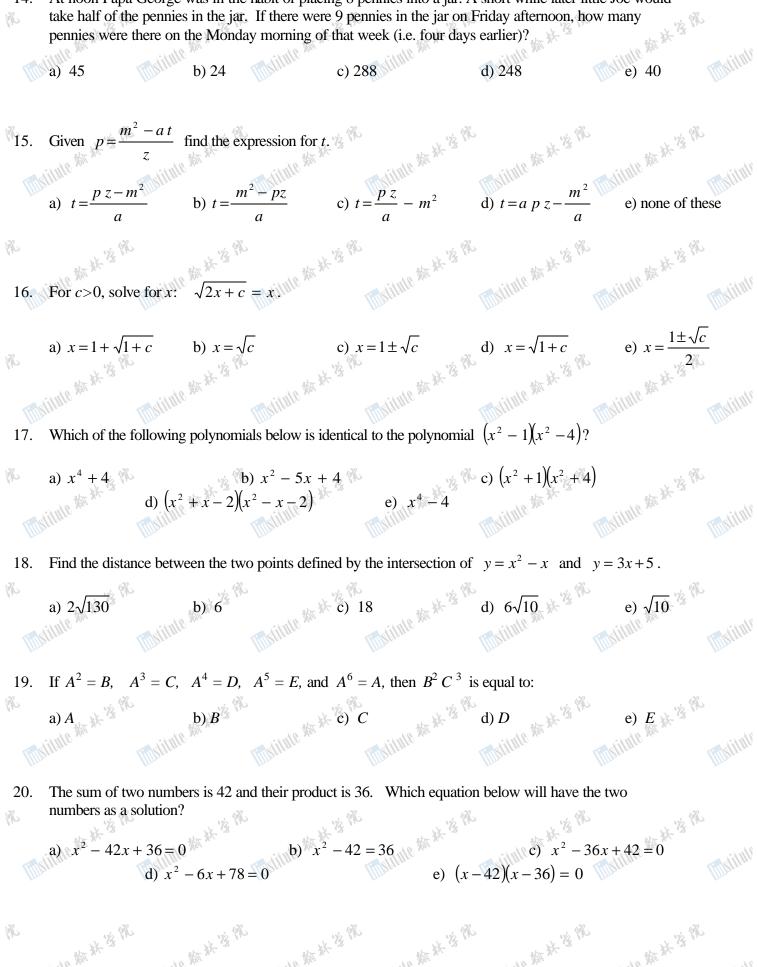
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21. Given that <i>A</i> , <i>B</i> , <i>C</i> , and <i>D</i> are positive integers where $3A = 7B$, $5C = 4D$, and $2C = 11A$. Arrange the four integer variables in increasing order.					
a) ABCD	b) DCBA	c) BACD	d) DCAB	e) CADB	Matitut
22. Given that you have an unlimited number of nickels, dimes, and quarters, how many different combinations of these coins are there if the total is to be 65¢?a) 11 an large (b) 12 (c) (c) (c) (c) (c) (c) (c) (c) (c) (c)					
a) 11 or less	b) 12	c) 13	d)14	e) 15 or more	6
23. The difference a) 20		aber between 10 and 16	5 c) a nu	umber between 5 and	8 matinti
24. If $f(x) = 5 + 1$	d) this value can not be d - $2x$ evaluate $f^{-1}(-3)$.	the the the state of the state	e) none of thes	e Katilute Markt 'S P	C Institute
a) - 4	b) - 1 c	$(1) - 6\frac{1}{2}$	$\begin{array}{c} \text{d} & -5\frac{1}{2} \\ \text{d} & 3 \end{array}$	e) none of these	e maritute
25. Given that 11 is the maximum value of the function $f(x) = -x^2 + 6x + c$ find the value for "c".					
a) 0 ****	b) 1 3 %		d) 11/6	e) 2 Mainte the target	e matitute
26. Troy's test average (based on 5 exams) is 83.2, and he wants to raise his grade to an 85. What is the					
a) 87 # 3 M		c) 94		e) none of the	nese
27. Two fair dice are rolled. What is the probability that the difference of the squares of the numbers is divisible by three? (a) $\frac{1}{3}$ (b) $\frac{11}{18}$ (c) $\frac{1}{2}$ (c) $\frac{1}{2}$ (c) $\frac{1}{9}$ (c) $\frac{2}{3}$ (c) $\frac{1}{3}$ (c) $\frac{1}{3$					
(a) $\frac{1}{3}$	mee? $\frac{11}{18}$ $\frac{11}{18}$	c) $\frac{1}{2}$ minute x^{α}	d) 5	$\frac{2}{3}$	Institute
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