Mathematica Centrum Together, let's shape the mathematicians of the future

THALES PREPARATORY TEST 2020

1.	734 - 530 = ?						
	A) 234	B) 204	C) 304	D) 230	E) 332		
2.	2. A number divided by 4 gives 4. If 5 is subtracted from this number, the result will be						
	A) 10	B) 15	C) 12	D) 11	E) 14		
3. The fifth letter after the ninth letter of the alphabet is the letter							
	A) m	B) n	C) o	D) p	E) q		
4. What is the sum of the two unknown terms (X and Y) in the sequence: 5, 10, 15, 20							
	A) 40 D) 60	B) 50 E) 45	C) 55				
5.	10 nickels = 2 quarters + ? dimes.						
	A) 1 D) 2	B) 4 E) 0	C) 3				
6.	What fraction of the large square does the shaded area represent?						
	A) 6/16 D) 5/16	B) 7/16 E) 3/16	C) 1/4				
7.	How many elements of the set shown are divisors of 36?						
	A) 4	B) 2	C) 3	12•			

- A) 4 D) 6 в) 2 E) 5 U) 3
- 8. One half of one half of 20 plus 3 is equal to
 - A) 7 C) 9 B) 8 D) 11 E) 10



9.	How many	blocks a	are there	in the	pile?
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	A) 10 D) 13	B) 12 E) 14	C) 16	\bigwedge	
10.	The number of face vertices of a cone p hexagon is equal to	s of a cube plus the lus the number of si	number of ides of an		
	A) 12 D) 10	B) 13 E) 14	C) 11		
11.	How many odd 3-di formed using the dig	git natural numbers gits 2, 7, and 8?	can be		~
	A) 4 D) 2	B) 5 E) 6	C) 3		
12.	A round pizza is cut pieces of pizza can				
	A) 8 D) 12	B) 16 E) 18	C) 14		
13.	10 cm = ? dm				
	A) 100	B) 50	C) 1 000	D) 1	E) 10
14.	The initial temperate each day for 6 cons what was the final te	ure in a northern city secutive days, then i emperature after 9 c	/ was 9 degrees. If ncreased by 3 degr lays?	the temperature decr ees each day for 3 c	eased by 2 degrees onsecutive days,



18. Use the information below to find the unknown value.

