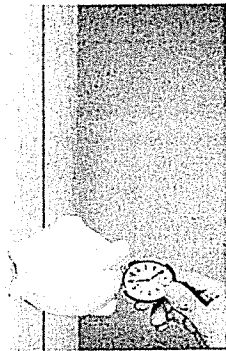
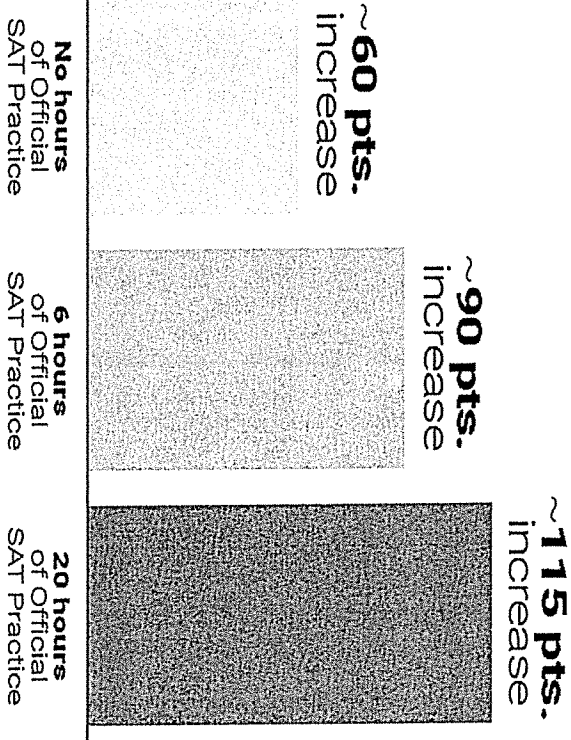


## Why Practice SAT Math during Geometry Bell

Work and on Khan Academy?



**WE ARE WHAT WE REPEATEDLY DO.**  
 EXCELLENCE, THEN, IS NOT AN ACT, BUT A HABIT.  
 —Aristotle



\*College Board Research Data 2017

Tuesday

1

If  $\frac{x-1}{3} = k$  and  $k = 3$ , what is the value of  $x$ ?

- A) 2
- B) 4
- C) 9
- D) 10

On Saturday afternoon, Armand sent  $m$  text messages each hour for 5 hours, and Tyrone sent  $p$  text messages each hour for 4 hours. Which of the following represents the total number of messages sent by Armand and Tyrone on Saturday afternoon?

- A)  $9mp$
- B)  $20mp$
- C)  $5m + 4p$
- D)  $4m + 5p$

<p>Wednesday</p>	<p>Thursday</p>	<p>Friday</p>
<p><b>16</b></p> <p>Which of the following expressions is equal to 0 for some value of <math>x</math> ?</p> <p>A) <math> x - 1  - 1</math>            B) <math> x + 1  + 1</math>            C) <math> 1 - x  + 1</math>            D) <math> x - 1  + 1</math></p> <p><b>17</b></p> <p>In the function above, <math>h</math> is a constant. If <math>f(6) = 7</math>, what is the value of <math>f(-2)</math> ?</p> <p>A) <math>-5</math>            B) <math>-2</math>            C) <math>1</math>            D) <math>7</math></p> <p><math>f(x) = \frac{3}{2}x + h</math></p>	<p><b>18</b></p> <p>For what real value of <math>x</math> is the equation above true?</p> <p><math>x^3 - 5x^2 + 2x - 10 = 0</math></p> <p><b>19</b></p> <p>What value of <math>t</math> is the solution of the equation above?</p> <p><math>\frac{2}{3}t = \frac{5}{2}</math></p>	<p><b>15</b></p> <p>Maria plans to rent a boat. The boat rental costs \$40 per hour, and she will also have to pay for a water safety course that costs \$10. Maria wants to spend no more than \$250 for the rental and the course. If the boat rental is available only for a whole number of hours, what is the maximum number of hours for which Maria can rent the boat?</p> <p><b>17</b></p> <p>What value of <math>p</math> is the solution of the equation above?</p> <p><math>2(p + 1) + 8(p - 1) = 5p</math></p>