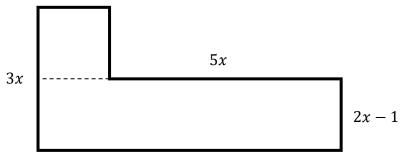
## August Daily Tasks Days 8 - 14

- 8. Find the equations of the lines joining each pair of points
  - a. P(3,8) ; Q(1,4) b. A(-1,3) ; B(4,-7) c. L(6,2) ; M(8,5)
- 9. Solve these pairs of equations:
  - a. 3x + 4y = 10.b. 2x 3y = 11.c. 5x + 4y = 5.5x 2y = 8.4x 5y = 214x + 3y = 3

10. After being updated, a machine can pack 5.35 x 10<sup>22</sup> grains of rice per hour. This is 15% more than it packed before the update. How many grains could the machine pack before the update? Give your answer in scientific notation.

- 11. Write each of these expressions without brackets: a. (x + 3)(2x - 7) b) (x - 8)(x + 2) - 5(x + 4) c.  $(2x - 3)^2$
- Express the area of the shape below as an expression in terms of x.
  All measurements are in cm.



6x + 5

13. Solve

 $13 - 8x \ge 3(7 - 2x)$ 

14. Evaluate

$$\frac{3}{8} + \frac{5}{6} \div 1\frac{1}{4}$$