

VASH Education: GCSE MATHEMATICS

TOPIC: Linear Equations

1. Solve $2x + 15 = 31$

1 point

2. Solve $5(x-1) = 6x + 2$

1 point

3. Solve $-8x+70 = -20x+3$

Give your answer to 2 significant figures.

1 point

4. Solve the equation $2(x+2) = 3(x+5) - 3$

1 point

5. Which of the following equations gives the answer $x=0.5$?

1 point

Mark only one oval.

$$\frac{15x + 2}{4} = \frac{4x + 3}{5}$$

Equation 1

$$12x + 3 = \frac{6x + 3}{2}$$

Equation 2

$$\frac{5x + 2}{3} = \frac{4x + 1}{2}$$

Equation 3

$$\frac{6x - 3}{5} = 13x + 2$$

Equation 4

6. Solve the equation. *

1 point

$$3(x^3 + 3) = 33$$

7. Solve $5(2x+3) - 2(x+3) = 15$

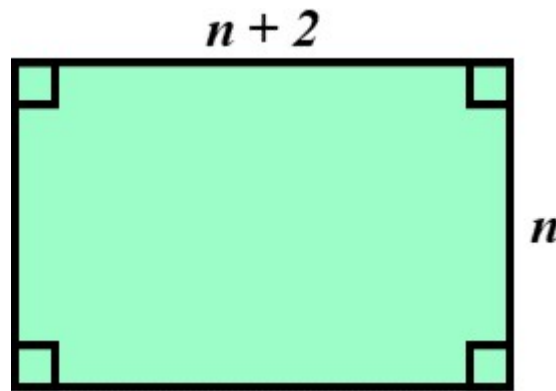
10 points

Give your answer as a fraction in its simplest form.

Type your answer in the following format: 1/2

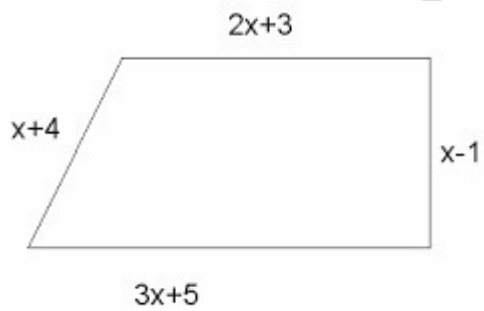
8. Find the value of n if the perimeter equals 16. *

1 point

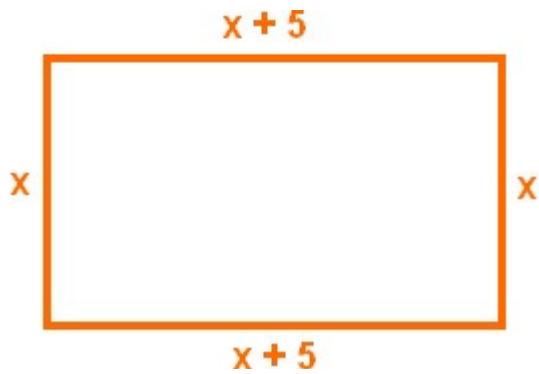


9. Find the area of the trapezium if $x=2$

1 point



10. A man's garden is in the shape of a rectangle. He wants to plant flowers on a quarter of the garden's area. Find the area of the garden he wants to plant flowers on when $x=3$. Give your answer as a decimal. * 1 point



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