NAME _____ CLASS _____ NO. _____

DAILY TEST

SIMUTLANEOUS LINEAR EQUATION

1. Solve the simultaneous equation $\begin{cases} x = y - 3 \\ x = 7 - y \end{cases}$

   Answer x= ☐

   y= ☐

2. Solution the simultaneous equation $\begin{cases} 3x + 2y = 13 \\ 5x - 2y = 27 \end{cases}$ is ...

   ☐ (5,1) ☐ (-1,5)

   ☐ (5,-1) ☐ (-1,-5)

3. The solution of the simultaneous linear equation $\begin{cases} -7x + 4y = 41 \\ -5x + 6y = 45 \end{cases}$ is (a,b). Find a – b.

   ☐ –8 ☐ 2

   ☐ –2 ☐ 8

4. The sum of two numbers is 50 and their difference is 16. Find the product of the numbers.

   ☐ 456 ☐ 561

   ☐ 516 ☐ 615

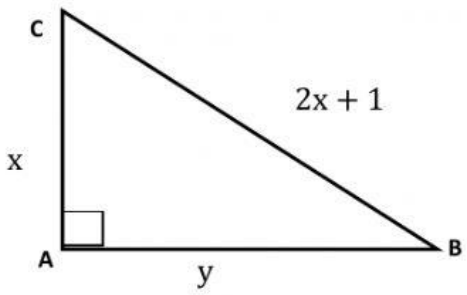
5. five years ago Roni's age was four times Sasa's age. four years from now, twice Roni's age will be one more than three times Sasa's age. Roni's current age is ... year

   ☐ 7 ☐ 13

   ☐ 11 ☐ 17

LIVEWORKSHEETS

6.



In triangle ABC, the length of AB is equal to one less than twice the length of AC. If the perimeter of the triangle is 40, find the area of the triangle ...

☐ 60 ☐ 100

☐ 80 ☐ 120

7. The cost of 1 kg of sugar is $\$S$ and the cost of 1 kg of rice is $\$R$
Ian pay a total \$153 for 5 kg of sugar and 7 kg of rice.
Joe pay a total \$147 for 7 kg of sugar and 5 kg of rice.
Write down simultaneous equation and solve them to find S and R.

Answer:

Ian ➔ ☐S + ☐R = ☐

Joe ➔ ☐S + ☐R = ☐

Solution: The cost of 1 kg of sugar is \$ ☐

The cost of 1 kg of rice is \$ ☐

8. A bag contains 7 white beads and 5 red beads.

The mass of red bead is 6 gr more than the mass of a white bead. The total of all the 12 beads is 114 gr.

Find the mass of red bead and the mass of white bead.

Answer:

the mass of 1 red bead = ☐ gr

the mass of 1 white bead = ☐ gr

good luck!

LIVEWORKSHEETS