Name: ..... Class: .....

Write and solve equations that represent diagrams

1. Write an equation that shows that the length of the red line is equal to the length of the black line, plus the length of the green line.

2. Write an equation that shows that the length of the red line is equal to the length of the black line.

3. Write an equation that shows that the length of the black line is equal to the length of the red line.

4. Write an equation that shows that the length of the red line is equal to the length of the black line.

5. Write an equation that shows that the length of the red line is equal to the length of the black line, minus the length of the green line.

Solution

Name: ..... Class: .....

Write and solve equations that represent diagrams

1. Write an equation that shows that the length of the red line is equal to the length of the black line, plus the length of the green line.

10 = 3a + t

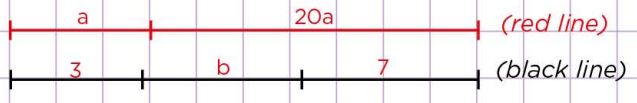
2. Write an equation that shows that the length of the red line is equal to the length of the black line.

t = 25 + a

3. Write an equation that shows that the length of the black line is equal to the length of the red line.

11r + 5 = 60

4. Write an equation that shows that the length of the red line is equal to the length of the black line.



21a = 10 + b

5. Write an equation that shows that the length of the red line is equal to the length of the black line, minus the length of the green line.

10 = 12 - 4r