1: Solve the following: a) 4*v*  2 = *v*  3

b) 15(*u*  7) = 9*u*  159

c) 3(*h*  2)  4(*h*  10) = 42

d) 4*n* = 8*n*  40

e) 15(*x*  3) = 5*x*  105

f) 8(*r*  9)  5(*r*  5) = 32

2: Solve the following: a) 8(*k*  7)  (*k*  5) = 40

b) 14*b*  9 = 5*b*  63

c) 5(*w*  2) = *w*  8 d) 16*z* = 6*z*  60

3. **Consider the age of a girl as y**

1. **The difference in age between the girl and her younger sister is 4 years. Write down an expression for the age of her younger sister**
2. **The younger sister in turn is 4 years older than her brother. Write down an expression for the age of her brother**

1. **The sum of the ages of the younger sister and her brother is 16. Write an the equation to represent this**
2. **How old are the three children?**
3. **The difference between two numbers is 7.**
4. **If the smaller number is x, then write the expression for larger number**
5. **Six times the smaller plus the larger number is 77. Write the equation**
6. **Find the numbers**
7. Lynn picks three numbers and calls them a, a + 2 and a + 4.
8. Find the difference between the largest and smallest numbers.
9. The sum of the three numbers is 100. Write down an equation to show this
10. Find the numbers
11. This equilateral triangle and square have equal perimeters.

**a+3**

**a+7**

**3a**

1. Write an expression for the perimeter of both
2. Write equation of the situation given
3. Find the dimensions of both
4. The length of this rectangle is x cm
5. The width of the rectangle is 2 cm less than the length. Write down an expression for the width of the rectangle, in centimeters
6. The perimeter of the rectangle is 84 cm. Write down an equation to show this.
7. Find the area of the rectangle.
8. Adeline is b years old
9. Write down an expression for Adeline’s age in 10 years’ time
10. Write down an expression for Adeline’s age 6 years ago
11. In 10 years’ time, She shall be twice as old as she was 6 years ago . Write down an equation for this statement
12. Find Adeline’s age
13. Solve the simultaneous equations by elimination method



 

1. Solve the simultaneous equations by substitution method
2. y = 7x + 5

y = 4x – 7

