Worded Questions 5 is added to twice a number the result is 19. number. Number = 2 2z + 5 = 19is 5 times John's age 6 years she will be 3 his age . What age is now ? Ann Ann John Today 5x 2 6 yrs 5x+6 x+6 5x+6=3(x+6)52 + 6 = 32 + 18 2x = 12Ans 30.

Quadratics. A rectangle has a length 5m longer than wedth. It has an area of 66 m². Find dinersions of rectangle. A = exb $x + 5 \qquad x(x + 5) = 66$ x + 5x - 66 = 0 (x + 11)(x - 6)=0 x = = 6 6m × 11m. A rectangle has permeter of 20m and area of 16m2. Find dimensions P= 20 A = 16 2x + 23 = 20 x + \ = 10 4 - 10 - 2 $x_{\gamma} = 16$ x (10-2) = 16 10x-x2-16=0

x2 - 102 +16 =0 (x-2) x-8)=0 $\alpha = 2 \qquad \mathbf{1} = 8.$ Find 2 consecutive odd numbers which multiply to 63. x Other x+2. One x(z+2)=63x 2 + 22 - 63 = 0 (x+5)(x-7)=0 $x = -9 \quad x = 7$ Ans 7,9 or -9, -7 € 120 15 divide between x people. If there were 5 more people each would get E4 less. 7~2 **2** . Each Perple Morez 120 7 120 x + 5 120 x+5. 120

Togeth
$$\frac{1}{4} + \frac{1}{x} = \frac{3}{4} + \frac{1}{4}$$
 $\frac{1}{4} + \frac{1}{4} = \frac{3}{4} + \frac{1}{4}$
 $\frac{1}{4} = \frac{3}{4} + \frac{1}{4}$
 $\frac{1}{42} = \frac{3}{4}$
 $\frac{1}{44} + \frac{1}{44} = \frac{1}{44}$
 $\frac{1}{44} + \frac{1}{44}$

12x + 12x + 12x - 12x