

## Word Problems: Linear Equations Solutions

1. 9
2. 21
3. 11
4. 5
5. 6, 7
6. 6 and 11
7. 9, 10, 11
8. 14 Years old
9. 11 years old
10. (a)  $6x + 1$   
(b) 9
11. 10, 12
12. i. 15  
ii.  $9\frac{1}{2}$   
iii. 10
13. Emily: 14, Frances: 17, father: 62.
14.  $(7x - 4)cm^2$  ; 6
15. First rectangle: 9, 4; second rectangle: 6, 6
16. i.  $(x - 6)$  yrs  
ii.  $(x + 12)$  yrs  
iii. 15 yrs
17. (a)  $60^\circ, 45^\circ, 75^\circ$   
(b)  $65^\circ, 30^\circ, 85^\circ$