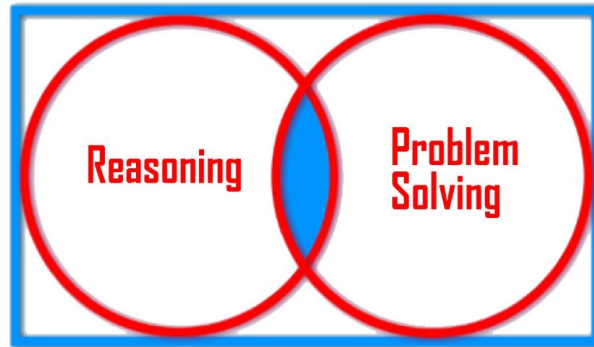


# Bridging the Gap

## GCSE to A – Level Transition



[fluidmaths.co.uk](http://fluidmaths.co.uk)

## Linear Equations and Inequalities

**1**

Solve the following equations

a)  $2x + 3(x + 5) = -11$

b)  $5(x + 2) + 2(x - 8) = 20$

c)  $6x + 7 = 3(5 + 3x) + 3x$

d)  $5x - 3(7 - x) = 6(11 - 2x) + 11$

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

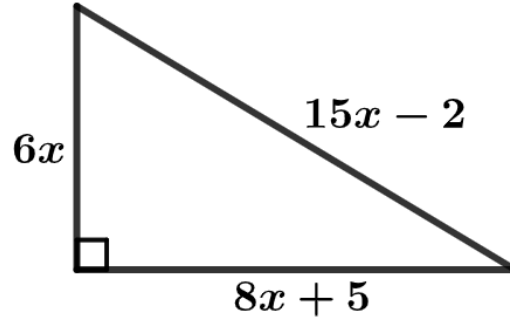
---





**4**

A rectangle and a right-angled triangle are shown below.  
The two shapes have the same perimeter



If the area of the rectangle is  $360\text{ cm}^2$ , calculate the value of  $x$  exactly.

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

