

# Level 4: Homework 1

1.  $329 + 776$     2.  $835 - 416$     3.  $3.82 \times 6$     4.  $294 \div 7$
  
5. Last season a striker in a football team scored a goal 25% of the time he shot at goal. He shot at goal 76 times last season. How many goals did he score?
  
6. Alan can run 100 metres in approximately 10 seconds. Find how far he would go in 1 minute if he could keep running at this speed.
  
7. Complete:
  - a.  $\frac{1}{2} = \frac{\quad}{4}$     b.  $\frac{1}{2} = \frac{\quad}{6}$     c.  $\frac{2}{3} = \frac{\quad}{9}$     d.  $\frac{1}{4} = \frac{4}{\quad}$
  
8. Peter has been asked to hire a bus to take his basketball team to a match. He finds it will cost £80. The cost is to be shared between 9 people. How much will Peter have to charge each person to make sure he has enough to pay for the bus?
  
9. The table below shows the days worked by the cleaners in a school.

	Monday	Tuesday	Wednesday	Thursday	Friday
Amy	√	√	√		√
Ian	√	√		√	√
Jane		√	√	√	√

- a. Which two people work on Thursday?
  
- b. The supervisor decides that she needs three cleaners in the school each day so hires Brian. On which days will Brian work?

[JMC 2018 Q4]

In this partly completed pyramid, each rectangle is to be filled with the sum of the two numbers in the rectangles immediately below it.

What number should replace  $x$ ?

- A 3    B 4    C 5    D 7    E 12

