

## **Number problems**

1. Imran thinks of a number.

He multiplies the number by 3. He then adds 19. His answer is 61.

What number did Imran first think of?

2. Tom the plumber charges £35 for each hour he works at a job, plus £50

The amount Tom charges, in pounds, can be worked out using this rule

Hour  $\times$  35 + 50 = answer, Tom charged a customer £260 for a job.

(a) How many hours did Tom work?

3. Martin is organising a summer fair.

He needs bread buns and burgers for the barbecue.

Bread buns are sold in packs. Each pack contains 40 bread buns.

Burgers are sold in packs. Each pack contains 24 burgers.

Martin buys exactly the same number of bread buns as burgers.

What is the least number of each pack that Martin buys?

4. Bag  $A$  contains  $x$  counters.

Bag  $B$  contains 6 more counters than Bag  $A$ .

Bag  $C$  contains 4 times as many counters as Bag  $B$ .

Show that the total number of counters in Bags  $A$ ,  $B$  and  $C$  is  $6(x + 5)$ .