

## Problem solving !

- 1) My pace is 73cm long. I pace out the school corridor as 142 paces.  
How long is the corridor ?
  
- 2) A Maths booklet weighs 48g. How much will a pile of 220 booklets weigh altogether ?
  
- 3) A drink and a box of popcorn cost 90p altogether.  
Two drinks and a box of popcorn cost £1.45.  
Work out the prices of each item.
  
- 4) **Estimate** answers to these:
  - a)  $2703 - 1995$
  - b)  $247 \times 21$
  - c)  $403 \div 7.87$
  - d)  $(9.85)^2$
  
- 5) Six friends are weighed as: 65kg, 85kg, 114kg, 72kg, 93kg and 79kg.  
A kilogram is roughly 2 pounds. Can they all fit in a lift that can carry a weight of up to 1000 pounds ?
  
- 6) Fill in the ? marks with these digits: 1,2,3,4,5 and 8 to make this sum work:  
$$?? + ?? = ??$$
  
- 7) Can you find four consecutive numbers that add up to 80 ?
  
- 8) Can you find three consecutive numbers that multiply to give 21924 ?
  
- 9) I buy items in a shop costing 76p, 89p, 36p, £1.03 , 49p and 97p.  
Estimate my bill. I receive £3.46 change from a £10 note. Is this right?
  
- 10) A flat worth £40,000 increased by 12% in November, then a further 10% in December. What is it worth now ?