

For a chance to win a £50 Amazon voucher, please email your Prize Puzzle solutions to [puzzles@theactuary.com](mailto:puzzles@theactuary.com) by 19 March 2012

At the back  
Coffee break

[puzzles@theactuary.com](mailto:puzzles@theactuary.com)

Please send new puzzle ideas to [puzzles@theactuary.com](mailto:puzzles@theactuary.com)

# Puzzles

## Treasure hunt Puzzle 494

A treasure hunter found the following message:

From Secret Place to Crossbones Rock  
Pace out what steps you may  
Turn right at rock and pace the same  
And you'll have found Point A

Return to Secret Place and count  
Your steps to Hangman's Tree  
Turn left at tree and now count down  
On nought you're at Point B

Halfway between points A and B  
You'll find my treasure case  
But what a shame you cannot know  
About my Secret Place.

She knows where Crossbones Rock and Hangman's Tree are, but not, unfortunately, the whereabouts of Secret Place. Can you help her find the buried treasure?

## Football Puzzle 495

In an international soccer tournament, the scores in a certain round were as follows:

Argentina	0	N. Ireland	0
Belgium	1	Wales	4
England	0	Scotland	1
France	1	Spain	2
Germany	1	Brazil	1
Italy	3	Denmark	1
Peru	2	Cameroon	0
Poland	?	Portugal	?

What was the score in the final match? \_\_\_\_\_

## Division Puzzle 496

Reconstruct the following division, from which all but two of the digits are missing:

```

  _____
XX)XXXXXXXXX
  XXX
  XX
  XX
  XXX
  XXX
  2
  
```

## Occupations Puzzle 497

Below are listed 24 occupations:

Architect	Gardener	Money Lender	Taxi Driver
Botanist	Horticulturist	Naturopath	Undertaker
Courier	Innkeeper	Orthodontist	Vicar
Dentist	Jeweller	Postman	Window Cleaner
Engineer	Karate Teacher	Radiologist	Yacht Maker
Footman	Lawyer	Signwriter	Zoologist

Two people with one of these occupations each were talking and this was overheard:

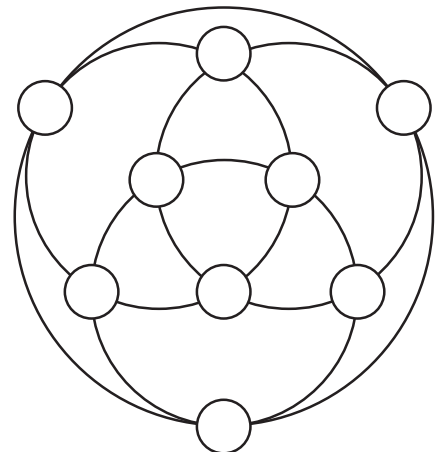
"there is too much space between rose and and and and and crown"

What occupation might the two people have had, and how should the sentence be punctuated?



## Circular fashion Puzzle 498

Insert the numbers from 2 to 10 in the nine small circles, in such a way that the sum of the numbers appearing round each of the four larger circles is the same.



### TERMS AND CONDITIONS

#### Prize puzzle

The prize will be awarded for the first correct entry drawn at random from those received before the closing date. The winner's name will be announced in the next edition. Please note, the puzzle editor's decision is final and no correspondence will be entered into. We reserve the right to feature the winner's name in *The Actuary*. Your details will not be passed to any third party in connection with this draw.

With thanks to Rod Marshall and Tim Sole for supplying this issue's puzzles

# SOLUTIONS FOR JAN/FEB 2012

## Cluedo Puzzle 490



Six people sit down to play a game of Cluedo, then realise the board has been mislaid. They agree that each player will simply make a suggestion (or an accusation) in turn, and that any room can be chosen each time. You are the actuary in the group, and deal yourself Miss Scarlett, revolver and ballroom. The game then progresses with the following suggestions:

PLAYER	CHARACTER	WEAPON	ROOM	DISPROVED BY
Banker	Col. Mustard	Dagger	Billiard room	Economist
Cleric	Prof. Plum	Lead piping	Study	Economist
Doctor	Mrs White	Spanner	Conservatory	Farmer
Economist	Rev. Green	Spanner	Library	Farmer
Farmer	Mrs Peacock	Revolver	Hall	Actuary
Actuary	Rev. Green	Candlestick	Dining room	Farmer (dining room)
Banker	Mrs Peacock	Rope	Ballroom	Economist
Cleric	Col. Mustard	Spanner	Lounge	Banker
Doctor	Prof. Plum	Dagger	Kitchen	Banker
Economist	Prof. Plum	Lead piping	Study	Banker
Farmer	Mrs White	Lead piping	Conservatory	Economist

Can you make the winning accusation?

Answer: Mrs Peacock with the candlestick in the conservatory

Congratulations to this month's winner, Leon Jones of Zurich Financial Services, who wins a £50 Amazon voucher

## Relationships Puzzle 491

What were the relationships of the people mentioned in the following epitaph?

Two husbands with their two wives  
Two grandmothers with their two granddaughters  
Two fathers with their two daughters  
Two mothers with their two sons  
Two maidens with their two mothers  
Two sisters with their two brothers  
But only six in all lie buried here  
All born legitimate, from incest clear.

Answer: Two unrelated women each married the other's son from a previous marriage. Each couple then had a daughter.

Correction

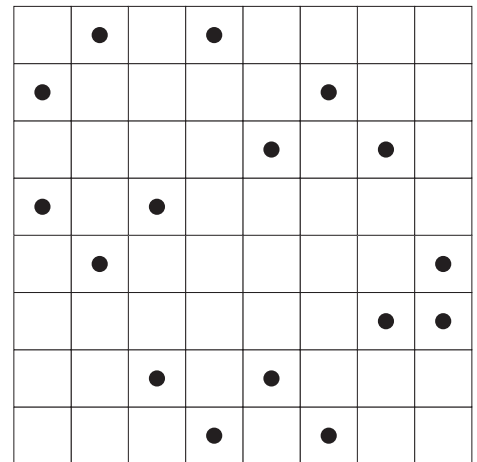
## Puzzle 488 solution Christmas decorations

The two baubles should be rolled downhill. The bauble with the denser core (ie. lead) will roll faster.

## Dotty Puzzle 492

In the diagram below, put a dot in exactly 16 of the unit squares, so that:

- Each row
- Each column
- Every diagonal



is either empty or has exactly two dots in it. Moreover, the completed diagram must not be symmetrical (there are six symmetrical solutions).

## In suburbia Puzzle 493

An insurance company has six account managers, each of which has a different number of children from nought to five. Deduce from the following who has what number of children, the account they manage, and the suburb in which they live.

- Angela has two more children than the manager from Moor Park, who has one more child than the fire manager.
- The marine manager has two more children than the manager from Chelsea, who has one more child than Emily.
- The manager from Southgate has two more children than Dick, who has one more child than the motor manager.
- Chloe has three more children than the property manager.
- The liability manager has more children than the manager from Watford, who is not Emily.
- The manager from Moor Park, who is not the motor manager, is not Chloe.
- Emily is not the property manager and Fred is not the marine manager.
- The manager from Purley may or may not be Brian.
- The manager from Richmond is not the liability manager, but might be the aviation manager.

Apart from using the information given directly, clues can be combined for extra information. For example, clues one to three can be combined to deduce that Angela is not from Southgate. Working through, the result below then follows:

MANAGER	ACCOUNT	DISTRICT	CHILDREN
Angela	Aviation	Watford	4
Brian	Marine	Southgate	3
Chloe	Liability	Purley	5
Dick	Fire	Chelsea	1
Emily	Motor	Richmond	0
Fred	Property	Moor Park	2