

# The HellermannTyton



## Mindbender?

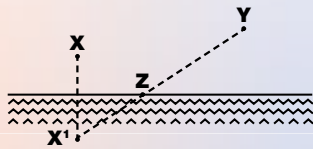
### Four fours

Can you make seven out of four fours? Yes:  $4 + 4 - 4/4 = 7$   
 Can you make 22 out of four fours? Yes:  $22 = 4 \times (4 + \sqrt{4}) - \sqrt{4}$   
 Now, try to make these numbers using four fours each time: 32, 1, 5, 45  
 You are allowed to use addition and subtraction, multiplication and division, and brackets and the square root sign as often as you wish.

### Solution to December 2007 mindbender

#### Water teaser

Joshua filled his can at the spot marked Z. Imagine that the second half of his return journey, from Z to X, is reflected in the line of the river bank, so that the reflection of X is at X'. Then the total length of Joshua's journey is from Y to Z to X' and this will be the shortest when YZ $X'$  is a straight line. In other words, when the angle between YZ and the river bank is the same as the angle between ZY and the river bank. So, Joshua ran to the river bank and 'bounced' back to the picnic spot like a snooker ball bouncing off a cushion.



### Winner

Bob Freeman, Hendon Consultants in Zimbabwe.

### Competition rules:

Answers must be written in block capitals on the coupon provided and entries must be posted, faxed or e-mailed to arrive no later than **10 March 2008**.

The first correct entry drawn will receive the Toptronic 1 000 V protected general purpose DMM – TBM811 from HellermannTyton. No correspondence will be entered into and the decision of the organisers will be final.

No staff members of Crown Publications or their families may enter.

February 2008

Mail or fax or e-mail your answer to:  
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## 1000V Protected

General Purpose DMM - TBM811

- Splash/Drop Proof
- 6,5kV Transient Protection
- 1000V AC/DC
- RS232 Interface
- Optional RS232 Cable and Software (TBR81X)



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