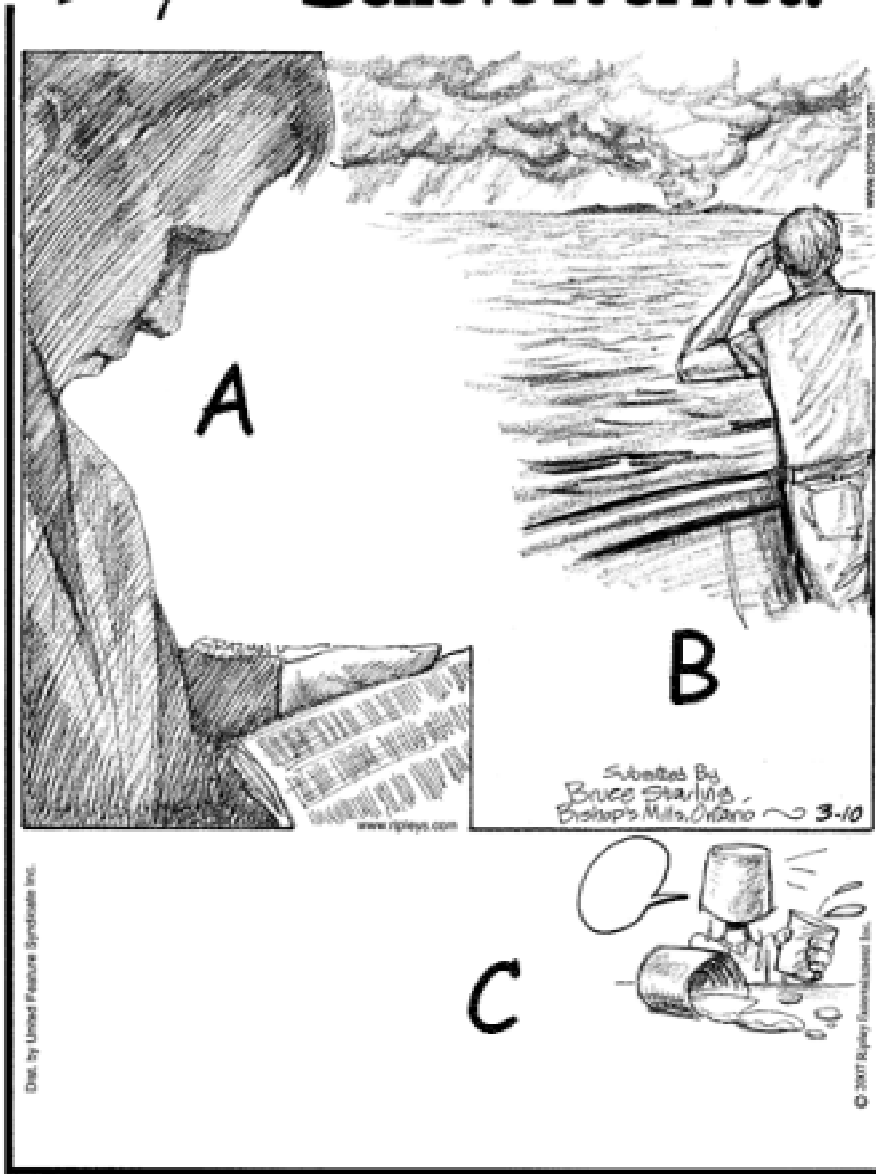


Ripley's Believe It or Not!



< TASK 1 > Read the articles (1) to (3).
And figure out which article they come from.
Write A, B, or C.

- (1) Q: 3 buckets have a capacity of 8 liters, 5 liters and 3 liters, but no volume markings. The first bucket is filled to capacity and the goal is to evenly divide the water between two buckets (4 liters each). Since the only way to do the job accurately is to completely fill and empty buckets, what is the least number of pours that would be required to divide water?
A: The least number of pours to divide 8 liters of water among two buckets, when you have an 8, a 5 and a 3 liter bucket, is 7 pours.
- (2) _____ Sailing through the Tonga Archipelago in August 2006, the crew of the yacht `Maiken' witnessed the birth of a new island --- volcanic action pushed land slowly above sea level right before their eyes!
- (3) _____ When Luis Carlos de Noronha Carral da Camara of Portugal wrote his will, he named 17 strangers as heirs, all selected at random from the Lisbon phone book!

<TASK 2> Answer the questions.

- (4) You have an 8, a 5 and a 3 liter bucket without any volume markings. The first bucket is filled with water to capacity. Is it possible to evenly divide the water between two buckets?
- (5) What did the crew of the yacht witness?
- (6) What kind of persons did Luis name as heirs when he wrote his will?

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<ANSWERS>

- (1) C (2) B (3) A
- (4) Yes, it is.
(8,0,0 3,5,0 3,2,3 6,2,0 6,0,2 1,5,2 1,4,3 4,4,0)
- (5) They witnessed the birth of a new island.
- (6) He named 17 strangers selected at random from the Lisbon phone book.

<WORDS & PHRASES>

When ~ wrote his will 「～が遺言を書いた時」
 Luis Carlos de Noronha Carral da Camara (人名)
 Portugal 「ポルトガル」(国名)
 he named 17 strangers as heirs 「彼(Luis)は相続人として17人の見知らぬ人の名を挙げた」
 all selected at random from ~ 「全員～から無作為に選ばれた」
 the Lisbon phone book 「リスボン(都市名)の電話帳」

Sailing through ~ 「～を航行していて」
 the Tonga Archipelago 「トンガ(国名)群島」
 in August 2006 「2006年8月に」
 the crew of the yacht 「ヨットの乗組員たち」
 'Maiken' (ヨット名)
 witnessed the birth of a new island 「新しい島の誕生を目撃した」
 volcanic action pushed land slowly above sea level 「火山活動がゆっくりと地面を海面に押し上げた」
 right before their eyes 「彼ら(乗組員たち)の目の前で」

Q: 「問題:」
 ... buckets have a capacity of ~ liters 「...個のバケツに～リットルの容量がある」
 but no volume markings 「しかし目盛りはついていない」
 The first bucket is filled to capacity 「最初の(8リットルの)バケツには入るだけいっぱいになっている」
 the goal is to ~ 「最終的に～することが求められている」
 evenly divide the water between two buckets (4 liters each) 「(4リットルずつ)2つのバケツに等しく水を分ける」
 Since ~ 「～なので」
 the only way to do the job accurately 「正確に作業をする唯一の方法」
 to completely fill and empty buckets 「バケツを完全にいっぱいにするのとカラにすること」
 what is the least number of pours? 「注ぐのは最少何回か」
 ... would be required to divide water 「水を分けるのに必要な...」

A: 「答:」
 The least number of pours to ~ is 7 pours. 「～するための最少注ぎ回数は7回である」
 divide 8 liters of water among two buckets 「8リットルの水を2つのバケツに分ける」
 when you have an 8, a 5 and a 3 liter bucket 「8リットル、5リットル、3リットルのバケツがある時」

