

Code Breaker: Probability of a Single Event *ANSWERS*

The Maths Habit

CRACK THE CODE

A counter is taken at random from each bag. Find the probability, in its simplest form. Look your answer up in the **Code Box** and write the letter it unlocks in the white box. Collect all thirteen letters in the strip, then unscramble them to find the answer.

13 CLUES



1 3 red, 5 blue P(red) E	2 1 red, 4 blue P(red) T	3 2 green, 4 yellow P(green) S	4 5 red, 5 blue P(blue) R
5 7 red, 3 blue P(red) O	6 2 red, 6 blue P(red) R	7 9 green, 3 yellow P(green) E	8 4 red, 6 blue P(blue) L
9 1 red, 2 blue, 3 green P(red) L	10 2 red, 3 blue, 5 green P(not red) A	11 5 red, 2 blue, 2 green P(red) R	12 3 red, 4 blue P(not red) O
13 6 red, 2 blue, 4 green P(not blue) C	YOUR LETTERS ETSRORELLAROC UNSCRAMBLE Clue: a fairground ride (6, 7) <u>ROLLER COASTER</u>		

CODE BOX

$\frac{1}{2} = R$	$\frac{1}{3} = S$
$\frac{2}{3} = P$	$\frac{1}{4} = R$
$\frac{3}{4} = E$	$\frac{1}{5} = T$
$\frac{2}{5} = N$	$\frac{3}{5} = L$
$\frac{4}{5} = A$	$\frac{1}{6} = L$
$\frac{5}{6} = C$	$\frac{3}{7} = U$
$\frac{4}{7} = O$	$\frac{3}{8} = E$
$\frac{5}{8} = M$	$\frac{1}{9} = I$
$\frac{5}{9} = R$	$\frac{1}{10} = H$
$\frac{3}{10} = D$	$\frac{7}{10} = O$



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