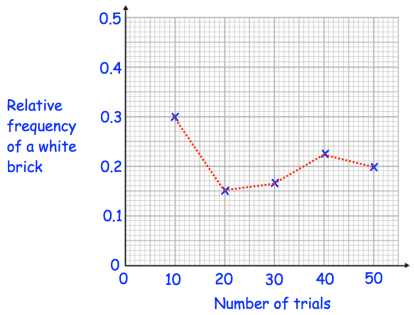
27th June

Corbettmaths



James has a box containing 4000 lego bricks.
James picks a brick at random and replaces the bricks in the box.

He does this 50 times and calculates the relative frequency of a white after every 10 trials.

(a) What is the best estimate of the probability of choosing a white brick?Explain your answer.

(b) Estimate how many white bricks are in the box.

Factorise $x^2 - 6x - 27$

Line 1 has gradient 4 and passes through the point (2, 10).

What is its equation?

The ratio of red to green sweets in a bag is 3:2

If r is the number of red sweets and g is the number of green sweets in the bag, work out a formula for r in terms of g.

Name: _____ 5-a-day Foundation Plus

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Relative frequency of a white brick
0.5
0.4
0.3
0.2
0.1
0
0
10
20
30
40
50
Number of trials

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