

1st October

Corbettmaths

Solve $x^2 - 2x - 15 > 0$

$f(x) = 4x + 3$

Find
 $f^{-1}x$

A bag contains 4 red sweets and 5 green sweets.

Kelly removes 3 sweets, one at a time, without replacement.

Find the probability that she does not choose 3 sweets that are the same colour.

Calculate an estimate of the interquartile range

Time taken	Frequency
$0 < t \leq 10$	135
$10 < t \leq 20$	244
$20 < t \leq 30$	555
$30 < t \leq 50$	106
$50 < t \leq 100$	20

Find the shortest possible distance between the line $y = 3x + 5$ and the origin.