

To draw a random sample from a binomial distribution with $n = 24$ and $p = \frac{1}{6}$, start in Main and go to the Catalog.

Find **randBin** and tap **INPUT**.

Enter 24, 1/6 and tap **EXE** to obtain a single random sample.

Repeat with a third parameter – the number of samples required, such as 20.

Edit Action Interactive

randBin(24, 1/6)

8

Catalog

Advance

Number

randBin (

randList (

randNorm (

RandSeed

rangeAppoint (

rank (

rc

INPUT

EXE

Alg Decimal Real Deg

Edit Action Interactive

randBin(24, 1/6)

8

randBin(24, 1/6, 20)

{4, 2, 2, 2, 4, 3, 4, 2, 3, 5, 6, 5}

Catalog

Advance

Number

randBin (

randList (

randNorm (

RandSeed

rangeAppoint (

rank (

rc

INPUT

EXE

Alg Decimal Real Deg

To analyse the sample, store the rounded values into list1 in the Statistics app.

Open Statistics to see the stored sample.

list1 can also be imported into a spreadsheet – see video 082.

Edit Action Interactive

randBin(24, 1/6)

8

randBin(24, 1/6, 20)

{4, 2, 2, 2, 4, 3, 4, 2, 3, 5, 6, 5}

ans->list1

{4, 2, 2, 2, 4, 3, 4, 2, 3, 5, 6, 5}

Catalog

Math1

Math2

Math3

Trig

Var

abc

Line

$\sqrt{\square}$

π

\square^{\square}

e^{\square}

ln

\log_{\square}

$\sqrt{\square}$

\square^{\square}

x^2

x^{-1}

$\log_{10}(\square)$

solve(

toDMS

{

}

()

sin

cos

tan

$^{\circ}$

*

←

ans

EXE

Alg Decimal Real Deg

Edit Calc SetGraph

	list1	list2	list3
1	4		
2	2		
3	2		
4	2		
5	4		
6	3		

Cal▶

[1] = 4

StatGraph1

xc=2

Fc=3

Deg Auto Decimal