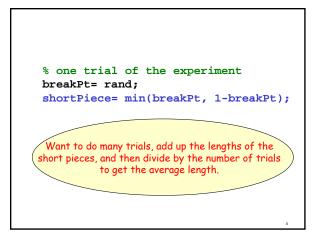


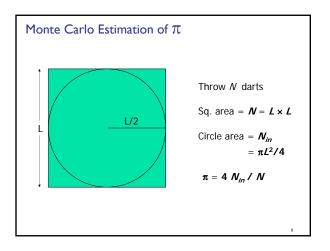
```
% one trial of the experiment
breakPt= rand;
if breakPt<0.5
   shortPiece= breakPt;
else
   shortPiece= 1-breakPt;
end
```

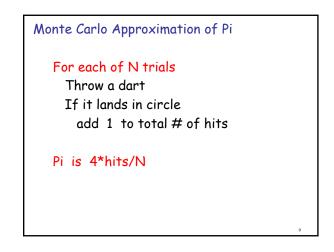


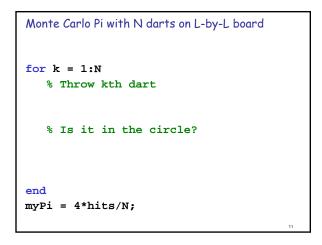
Repeat n times % one trial of the experiment breakPt= rand; shortPiece= min(breakPt, 1-breakPt);

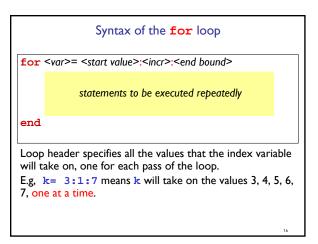
Take average

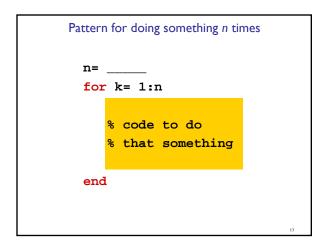
Print result











	for loop examples	
for k= 2:0.5:3	k takes on the values	
disp(k)	Non-integer increment is OK	
end		
for k= 1:4	k takes on the values	
disp(k)	Default increment is I	
end		
for k= 0:-2:-6	k takes on the values	
disp(k)	"Increment" may be negative	
end		
for k= 0:-2:-7	k takes on the values	
disp(k)	Colon expression specifies a bound	
end		
for k= 5:2:1		
disp(k)		
end		
	Lecture 5	18