



Urchin count

Record sheet, one per group

Group: _____ Our guess: _____ urchins

Random number table. Start anywhere and read along. Skip a square you have already used.

J4	I6	H1	I4	E8	D6	H2	E4
C2	H9	F4	H6	D7	G4	B7	H5
D2	J6	E7	G2	G7	A8	D9	B6
A6	F1	E10	C1	G3	E2	C7	F10
H3	E3	I1	B2	A10	F9	J10	C4

Method 1: random quadrats (10 squares)

Top row: square. Bottom row: urchins. Mean per square: _____ x 100 = estimate _____

Method 2: stratified random (4 + 3 + 3 squares)

Zone	Urchins in each square	Mean	Squares	Zone total
Reef flat (A to D)			x 40	
Reef crest (E to G)			x 30	
Reef slope (H to J)			x 30	

Add the three zone totals: estimate _____

Method 3: your choice (10 squares)

Squares chosen: _____ Mean: _____ x 100 = _____

Which method do you trust most, and why?
