

The background of the slide is a grayscale image of ancient Egyptian hieroglyphs. The hieroglyphs are arranged in vertical columns and include various symbols such as birds, lotus flowers, and geometric shapes. The text is overlaid on this background.

# Excelling at Maths

Part 3 of the ancient Egypt trilogy

The mathematical requirements for even the most developed economic structures of antiquity can be satisfied with elementary household arithmetic that no mathematician would call mathematics

Otto Neugebauer

*The Exact Sciences in Antiquity*

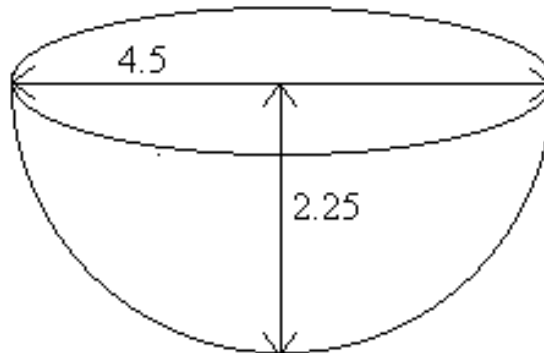
Practiced scribes must have developed a degree of mathematical intuition, but the idea of pursuing this as an end in itself – to create the subject of mathematics – did not occur to them

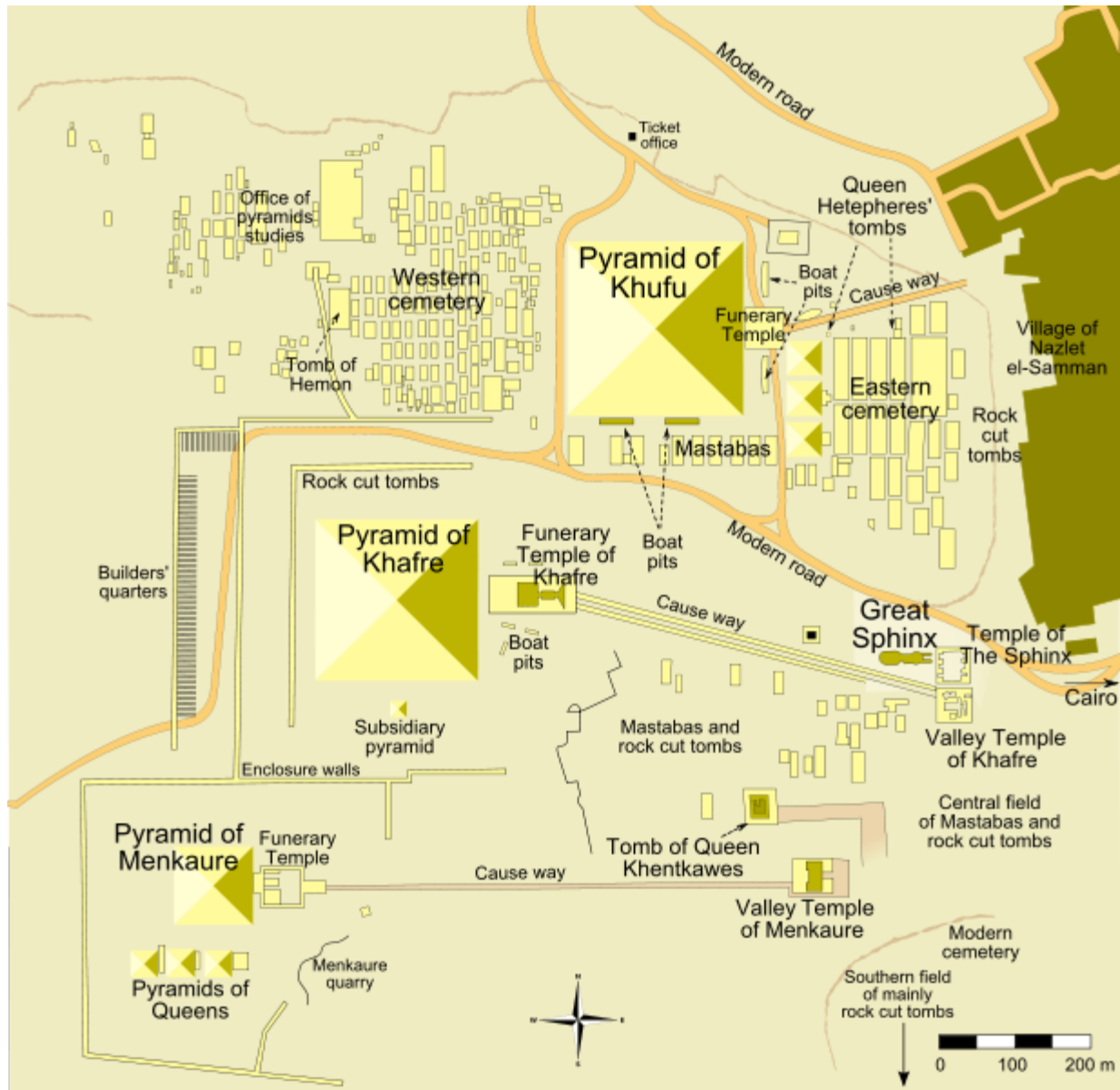
Barry Kemp

*Ancient Egypt – Anatomy of a Civilization*

$$d \left[ \left( 2d - \frac{2d}{9} \right) - \frac{1}{9} \left( 2d - \frac{2d}{9} \right) \right]$$

$$2d^2 \left( \frac{8}{9} \right)^2$$





Personnel	Number of Portions	Loaves of Bread	Jugs of $s d^c$ beer	Jugs of $H p n w$ Beer
	42	1 $\bar{3}$	$\bar{3}$ $\bar{6}$	2 $\bar{2}$ $\bar{4}$
The temple director	10	16 $\bar{3}$	8 $\bar{3}$	27 $\bar{2}$
Head Lay Priest	3	5	2 $\bar{2}$	8 $\bar{4}$
Head Reader	6	10	5	16 $\bar{2}$
Scribe of the Temple	1 $\bar{3}$	2 $\bar{6}$ $\bar{18}$	1 $\bar{9}$	3 $\bar{3}$
Usual Reader	4	6 $\bar{3}$	3 $\bar{3}$	11
$W t w$ priest	2	3 $\bar{3}$	1 $\bar{3}$	5 $\bar{2}$
$I m i i s t s$ priest	2	3 $\bar{3}$	1 $\bar{3}$	5 $\bar{2}$
$i b h$ priest(3)s	6	10	5	16 $\bar{2}$
Royal priests (2)	4	6 $\bar{3}$	3 $\bar{3}$	11
$M d w$	1	1 $\bar{3}$	$\bar{3}$ $\bar{6}$	2 $\bar{2}$ $\bar{4}$
Thur guardians (4)	1 $\bar{3}$	2 $\bar{6}$ $\bar{18}$	1 $\bar{9}$	3 $\bar{3}$
Night Watchmen (2)	$\bar{3}$	1 $\bar{9}$	2 $\bar{18}$	1 $\bar{3}$ $\bar{6}$
Temple workers (2)	$\bar{3}$	1 $\bar{9}$	2 $\bar{18}$	1 $\bar{3}$ $\bar{6}$
Total	42	70	35	115 $\bar{2}$

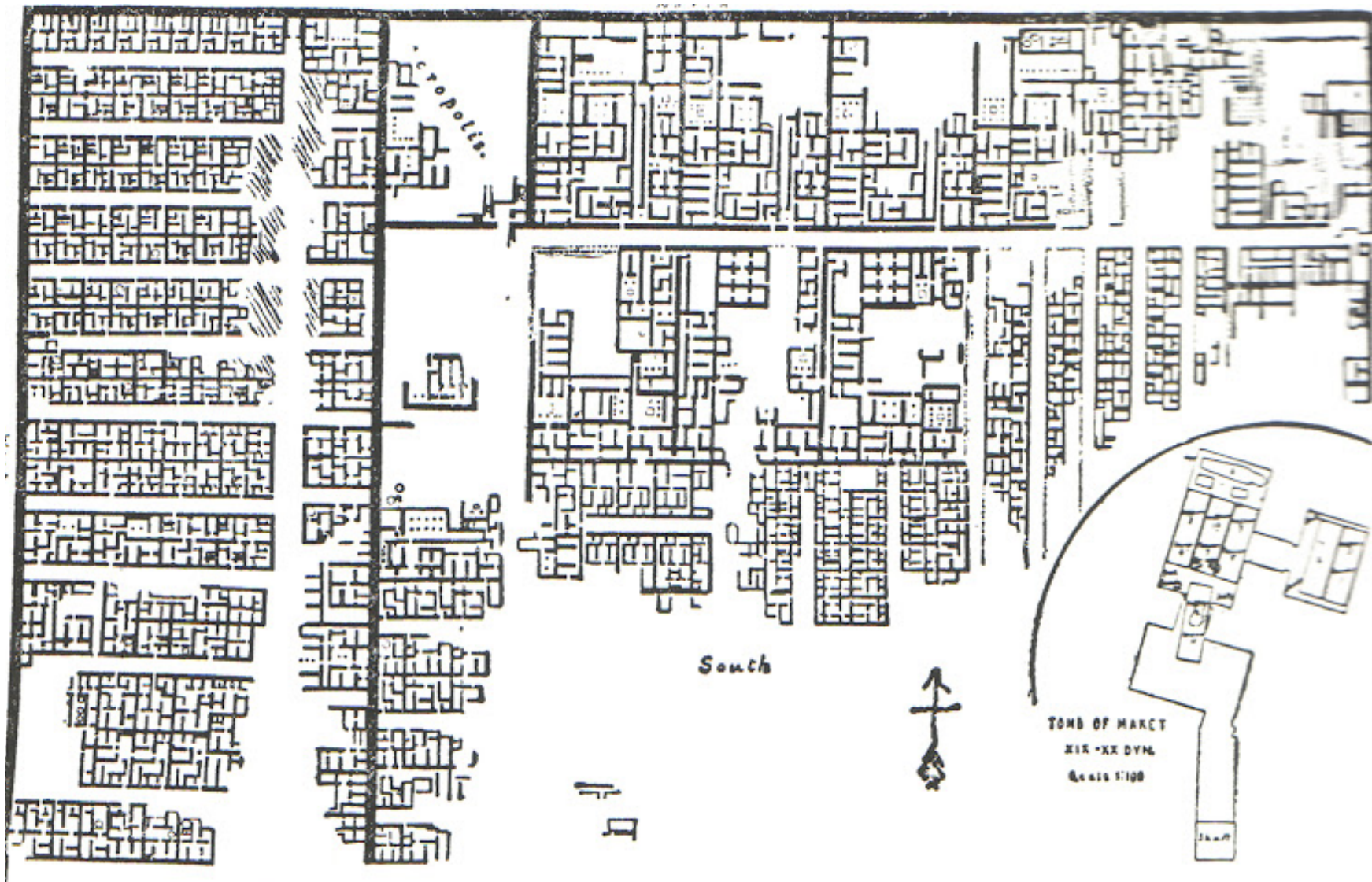
Microsoft Excel window: illahun fragment for ppt - Microsoft Excel

Excel ribbon tabs: Home, Insert, Page Layout, Formulas, Data, Review, View, Developer

Excel ribbon groups: Clipboard, Font, Alignment, Number, Styles, Cells, Editing

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Personnel	Number of Portions	Loaves of Bread	Jugs of <i>sd</i> <sup>c</sup> beer	Jugs of <i>Hpnw</i> Beer									
1	Personnel													
2	One Portion		1.7	0.8	2.8									
3	The temple director	10.0	16.7	8.3	27.5									
4	Head Lay Priest	3.0	5.0	2.5	8.3									
5	Head Reader	6.0	10.0	5.0	16.5									
6	Scribe of the Temple	1.3	2.2	1.1	3.7									
7	Usual Reader	4.0	6.7	3.3	11.0									
8	<i>Wtw</i> priest	2.0	3.3	1.7	5.5									
9	<i>Imi ist s</i> priest	2.0	3.3	1.7	5.5									
10	ibh priest(3)s	6.0	10.0	5.0	16.5									
11	Royal priests (2)	4.0	6.7	3.3	11.0									
12	<i>Md3w</i>	1.0	1.7	0.8	2.8									
13	Thur guardians (4)	1.3	2.2	1.1	3.7									
14	Night Watchmen (2)	0.7	1.1	0.6	1.8									
15	Temple workers (2)	0.7	1.1	0.6	1.8									
16	Total	42.0	70.0	35.0	115.5									
17														
18														

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# FIELDS ARRANGED BY PURITY

→  
MORE PURE

SOCIOLOGY IS  
JUST APPLIED  
PSYCHOLOGY

PSYCHOLOGY IS  
JUST APPLIED  
BIOLOGY.

BIOLOGY IS  
JUST APPLIED  
CHEMISTRY

WHICH IS JUST  
APPLIED PHYSICS.  
IT'S NICE TO  
BE ON TOP.

OH, HEY, I DIDN'T  
SEE YOU GUYS ALL  
THE WAY OVER THERE.



SOCIOLOGISTS

PSYCHOLOGISTS

BIOLOGISTS

CHEMISTS

PHYSICISTS

MATHEMATICIANS

# Maths

- What is the minimum requirement
- What are the 3 most desirable features