

Key Week 6

Ordinary matrix product

- a) multiply
- b) height
- c) last
- d) comma
- e) product
- f) coordinate
- g) row
- h) column
- i) width
- j) dot product

ex. 3 – notation, array, column, dimension, product, coefficient

Song: That's Mathematics

Counting sheep
When you're trying to sleep,
Being fair
When there's something to share,
Being neat
When you're folding a sheet,
That's mathematics!
When a ball
Bounces off of a wall,
When you cook
From a recipe book,
When you know
How much money you owe,
That's mathematics!
How much gold can you hold
in an elephant's ear?
When it's noon on the moon,
then what time is it here?
If you could count for a year,
would you get to infinity,
Or somewhere in that vicinity?
When you choose
How much postage to use,
When you know
What's the chance it will snow,
When you bet
And you end up in debt,
Oh try as you may,
You just can't get away
From mathematics!
Andrew wiles gently smiles,
Does his thing, and voila!
Q.e.d., we agree,
And we all shout hurrah!
As he confirms what Fermat
Jotted down in that margin,
Which could've used some enlargin'.
Tap your feet,
Keepin' time to a beat,
Of a song
While you're singing along,
Harmonize
With the rest of the guys,
Yes, try as you may,
You just can't get away
From mathematics!

From: <http://www.metrolyrics.com/thats-mathematics-lyrics-tom-lehrer.html>

Verbs and prepositions

14.1

1. The article focuses on the changes in the US economy in the post-war period.
2. The professor commented on a number of inconsistencies in the student's essay.
3. The theory is based on a series of experiments conducted over the last five years.
4. The professor's work relies on experiments conducted by his research assistants.
5. It is very important to concentrate on your studies until your exams are over.
6. The writer was able to draw on some primary sources which have only recently become available.

14.2

for: account, argue, call, search

from: benefit, depart, exclude

of: convince, dispose, write

to: assign, attribute, consent, react, refer

with: associate, equip, provide

14.3

- | | |
|---------------------------|----------------------------|
| 1 referred to us | 6 convince me of |
| 2 account for | 7 searching for |
| 3 associated with | 8 provided us with |
| 4 dispose carefully of | 9 consented to |
| 5 benefit enormously from | 10 writes very movingly of |

14.4 Corrected prepositions

- | | |
|----------------|---------------------------------------|
| 1 divided into | 5 emerged from |
| 2 exposed to | 6 spoke of |
| 3 attending to | 7 called for |
| 4 coupled with | 8 emphasize the advantages (no prep.) |