

# PMA Term One 2016, Volume 1 - Updated for 2023

# A historical and cultural snapshot with a focus on the Financial Mathematics sub-strand – celebrating Valentine's Day in your mathematics program

Mike Chartres for the Primary Mathematics Association of South Australia, January 2016

Some people approach the 14<sup>th</sup> February with thoughts of love and romance or possibly a fleeting thought about the North American folklore around Chicago's 1929 St Valentine Day massacre. For some, St Valentine's Day is a commercial opportunity to fleece the hopelessly love sick amongst us but from an Australian mathematics educator's perspective the 14<sup>th</sup> of February is a date that marks a significant change in the way mathematics is used in our daily lives.

The 14<sup>th</sup> February 2016 was the 50<sup>th</sup> anniversary (in 2023 it will be the 57<sup>th</sup> anniversary) of the introduction of decimal currency in Australia and this began the two year change over period from the British monetary system of pounds, shillings and pence to the decimal system of dollars and cents. What a perfect opportunity for R to 6 teachers to include a cultural and historical focus in their mathematics program.

The Australian Curriculum: Mathematics and the Numeracy general capability are the first ever elements in any Australian curriculum to give "money" or "financial mathematics" its own place through the Money and Financial Mathematics sub-strand and the Use Money thread to the Estimating and Calculating with Whole Numbers element. Curricula prior to this saw money shunted from number to measurement and back again with money presented predominantly as an everyday context to do and practice arithmetic. As with most of the current mathematics curriculum there is little to alert teachers to the rich opportunities a historical and cultural lens offers their learners to make sense of mathematics. The notion of Mathematics as a Human Endeavour is sadly absent. One of the well structured and key Financial Mathematics resources, ASIC's general MoneySmart web-site (<a href="https://www.moneysmart.gov.au">https://www.moneysmart.gov.au</a>) and MoneySmart Teaching web-site (<a href="https://www.moneysmart.gov.au">https://www.moneysmart.gov.au</a>) and Student learning to celebrate this anniversary? Hence my excitement about writing this short piece for colleagues.

## History of Money

Let's start at the beginning, how did money come about and why did it come about? Simply people needed to exchange goods and services for goods and services of equivalent value. Mathematically, this notion of exchange for something of equal value is no different than exchanging 37 ones for 3 tens and 7 ones or exchanging one half for two quarters. The notion of what something is worth or its value is a social and cultural construction. This idea of worth and value has never been more obvious and fluid than in our world of global consumerism and free markets. Some key questions learners may wish to explore include:

- What are things worth? What are their values?
- How do you ascribe value for exchanging goods in a community that doesn't have a monetary system?
  ... enter bartering.
- Who decides the value of goods?
- Who chooses the tokens that are exchanged to represent these values? What do we call these tokens today?

From an Australian perspective Aboriginal groups traditionally exchanged or traded goods for other goods of equal value. The Ngaut Ngaut Conservation Park, near Nildotte, is said to be one location in South Australia where aboriginal groups gathered and traded. The first European settlements also began with a bartering system and only adopted the British monetary system after the colony was a few years old.

Some useful resources to explore regarding the "history of money" include:

- Aboriginal trade; The first Australians web-site (<a href="http://dl.nfsa.gov.au/module/1567/">http://dl.nfsa.gov.au/module/1567/</a>) (<a href="http://www.indigenousaustralia.info/culture/trade-routes.html">http://www.indigenousaustralia.info/culture/trade-routes.html</a>) (<a href="http://austhrutime.com/trade.htm">http://austhrutime.com/trade.htm</a>) Queensland Museum Network (<a href="http://blog.qm.qld.gov.au/2012/05/16/indigenous-science-australia-had-ancient-trade-routes-too-2/">http://blog.qm.qld.gov.au/2012/05/16/indigenous-science-australia-had-ancient-trade-routes-too-2/</a>) Atlas of South Australia (<a href="http://www.atlas.sa.gov.au/resources/atlas-of-south-australia-1986/the-course-of-settlement/aboriginal-occupation">http://www.atlas.sa.gov.au/resources/atlas-of-south-australia-1986/the-course-of-settlement/aboriginal-occupation">http://www.atlas.sa.gov.au/resources/atlas-of-south-australia-1986/the-course-of-settlement/aboriginal-occupation</a>)
- BBC 1998 Ancient Inventions according to Terry Jones episode 2 City Life where Terry Jones presents a four minute snapshot of bartering and the early emergence of tokens of value or money. The segment begins at the 40 minute mark of the program with these two urls: (<a href="https://www.youtube.com/watch?v=x3F99h-gR4Q&list=ELAVu-XphYw1U&index=2">https://www.youtube.com/watch?v=x3F99h-gR4Q&list=ELAVu-XphYw1U&index=2</a> or <a href="https://myspace.com/166779572/video/ancient-inventions-city-life/100044202">https://myspace.com/166779572/video/ancient-inventions-city-life/100044202</a>
- Money time lines, maps and fact sheets; Australian Mint Melbourne (<a href="http://www.ramint.gov.au/education/downloads/2011 History Timeline Poster A3.pdf">http://www.ramint.gov.au/education/downloads/2011 History Timeline Poster A3.pdf</a>) (<a href="http://www.ramint.gov.au/education/downloads/2011 History Fact Sheet1.pdf">http://www.ramint.gov.au/education/downloads/2011 History Fact Sheet1.pdf</a>); MoneySmart (<a href="https://www.moneysmart.gov.au/teaching/teaching-resources/digital-activity-money-maps">https://www.moneysmart.gov.au/teaching/teaching-resources/digital-activity-money-maps</a>)
- Niall Ferguson's BBC series *The Ascent of Money episode 1, The Dreams of Avarice* provides a background for today's monetary system, particularly the first twenty five minutes which introduces the role that Fibonacci had in financial transactions, the role of the Jews in this and the origins of language that we often use when making transactions and banking (<a href="https://www.youtube.com/watch?v=9YAWngJ9xvw">https://www.youtube.com/watch?v=9YAWngJ9xvw</a>).
- The Reserve Bank of Australia Museum the hidden history of banking (<a href="http://museum.rba.gov.au/exhibitions/hidden-history-banking/">http://museum.rba.gov.au/exhibitions/hidden-history-banking/</a>)

# Engaging students with the notion of money from a historical and cultural perspective

As well as exploring the history of money both globally and within Australia, students have an immediate fascination with the tokens of value themselves, that is the coins and notes. Have you considered students simply sorting a collection of coins that come from many different parts of the world or indeed from different times in history. Asking students to bring in coins their parents / carers may have other than the typical Australian decimal coins to pool for such sorting and / or visiting dealers such as Adelaide Exchange Jewellers or Monetarium. They often have bags of assorted "junk" coins for \$20 that can be the basis of a class collection. Some key directions to consider may include:

- What are some different ways the collection of coins can be sorted, ie what are the key attributes?
- What are possible student questions that may come from sorting a collection of coins with respect to geographic location, point in time (time line), value and the monetary unit that is what is the unit of comparison for value or worth, who or what are represented on the coins and why.
- What are the coins, or indeed notes, made from and why?
- Which coins represent the least value and which the most?
- How to compare coins that use different units of value or worth?

Limiting the collection of coins to Australian coins will help students focus on the history of Australian currency. Possible focus points may include:

- The size of a coin compared to its value;
- The material a coin in made from compared to its value;
- If placed as a time line, the changes in denomination from the English system of pounds (£), shillings (s) and pence (d) to Australian decimal system of dollars (\$) and cents (c) in 1966, the possible loss of the 1c and 2c coins, the advent of the \$1 and \$2 coins.
- The value of each coin remains the same over time but what each will buy changes with time.

## A specific focus on 14th February 1966

So what did actually happen on this significant day? I appreciate that a considerable portion of colleagues who may read this piece were not around at this time. Again the Reserve Bank of Australia's museum web-pages are useful, in particular <a href="http://museum.rba.gov.au/exhibitions/decimal-currency/">http://museum.rba.gov.au/exhibitions/decimal-currency/</a>

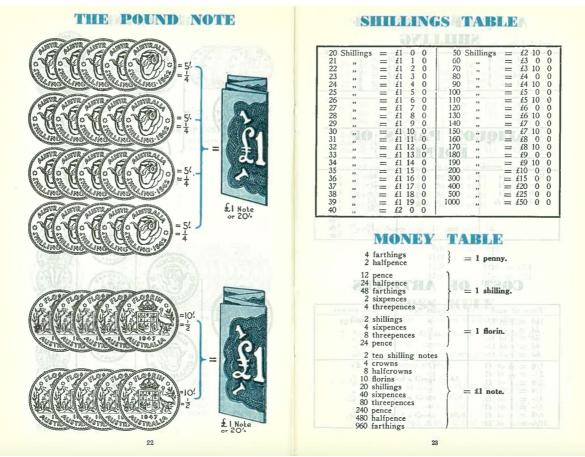
The Australian Government used television campaign to inform citizens about the change of currency with character called Dollar Bill as the centrepiece. The original television / cinema clip can be found at <a href="https://www.youtube.com/watch?v=oR5y--dfQf0">https://www.youtube.com/watch?v=oR5y--dfQf0</a>. How could you use this clip to engage students with change over of currency?

A recoloured version of the clip can be found at <a href="https://www.youtube.com/watch?v=5ZTeWLA1LAs">https://www.youtube.com/watch?v=5ZTeWLA1LAs</a>. Remember Australian didn't broadcast colour television programs until 1st March 1975 when an episode of The Aunty Jack Show launched colour television for the ABC. For those interested, the Aunty Jack clip can be found at <a href="https://www.youtube.com/watch?v=vlqqiK4ncfs">https://www.youtube.com/watch?v=vlqqiK4ncfs</a>. Other television clips designed to help people come to grips with the new currency and the two year change over period can be found at <a href="https://www.youtube.com/watch?v=Y6JawKH2yaQ">https://www.youtube.com/watch?v=Y6JawKH2yaQ</a>

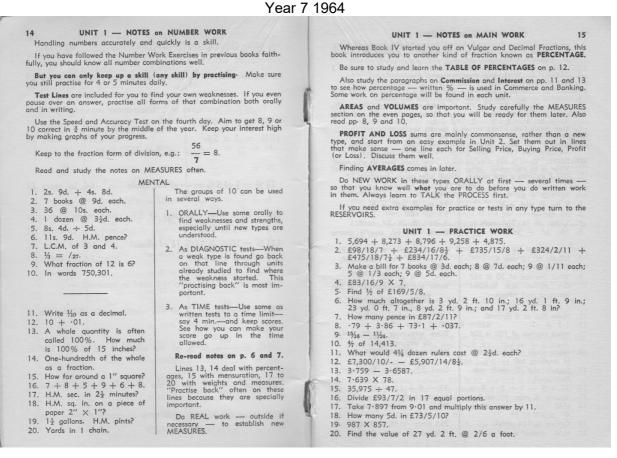
Possible directions students could explore include:

- The denominations of the Australian pounds (£), shillings (s) and pence (d), what they looked like and the relationships between them (see images below from the Wigg Table Book circa 1964).
- How were the values of the Australian pounds (£), shillings (s) and pence (d) systems equated to the Australian dollars (\$) and cents (c) over the two year transition period.





The changes in arithmetic students had to learn from 1964 to 1968 (see images below from The Pathfinder Arithmetic Books, the South Australian text at the time)



Handling numbers accurately and quickly is a skill.

If you have followed the Number Work Exercises in previous books faithfully, you should know all number combinations well.

But you can only keep up a skill (any skill) by practising. Make sure you still practise for 4 or 5 minutes daily.

**Test Lines** are included for you to find your own weaknesses. If you even pause over an answer, practise all forms of that combination both orally and in writing.

Use the Speed and Accuracy Test on the fourth day. Aim to get 8, 9 or 10 correct in  $\frac{3}{4}$  minute by the middle of the year. Keep your interest high by making graphs of your progress.

Keep to the fraction form of division, e.g.:  $\frac{56}{7} = 8$ .

Read and study the notes on MEASURES often.

- 7 1. 29c + 48c.
- 3. 36 @ 50c each.
- 4. 1 dozen @ 4c each.
- 5. 85c ÷ 5c.
- 6. \$2.09. H.M. cents? 7. L.C.M. of 3 and 4.
- 8.  $\frac{1}{3} = \frac{1}{27}$ .
- 9. What fraction of 12 is 6?
- 10. In words 750,301.
- 11. Write ½0 as a decimal.
- 12. 10 + ·01.
- 13. A whole quantity is often called 100%. How much is 100% of 15 inches?
- 14. One-hundredth of the whole as a fraction.
- 15. How far around a 1" square?
- 16. 7 + 8 + 5 + 9 + 6 + 8.
- 17. H.M. sec. in 2½ minutes?
- 18. H.M. sq. in. on a piece of paper 2"  $\times$  1"?
- 19. 1½ gallons. H.M. pints? 20. Yards in 1 chain.

- 2. 7 books @ 9c each. in several ways.
  - 1. ORALLY—Use some orally to find weaknesses and strengths, especially until new types are understood.

The groups of 10 can be used

- 2. As DIAGNOSTIC tests-When a weak type is found go back on that line through units already studied to find where the weakness started. This "practising back" is most important.
- 3. As TIME tests—Use some as written tests to a time limit say 4 min.—and keep scores. See how you can make your score go up in the time allowed.

Lines 13, 14 deal with percentages, 15 with mensuration, 17 to 20 with weights and measures. "Practise back" often on these lines because they are specially

Do REAL work - outside if necessary — to establish new MEASURES.

#### UNIT 1 - NOTES on MAIN WORK

Whereas Book IV started you off on Vulgar and Decimal Fractions, this ok introduces you to another kind of fraction known as PERCENTAGE.

Be sure to study and learn the TABLE OF PERCENTAGES on p. 6.

AREAS and VOLUMES are important. Study carefully the MEASURES section on the "Mental" pages so that you will be ready for them later. Also read pp. 3, 4 and 5,

PROFIT AND LOSS sums are mainly commonsense, rather than a new type, and start in the Decimal Currency Section. Set them out in lines that make sense — one line each for Selling Price, Buying Price, Profit (or Loss). Discuss them well.

Finding AVERAGES comes in later.

Do NEW WORK in these types ORALLY at first — several times — so that you know well **what** you are to do before you do written work in them. Always learn to TALK the PROCESS first.

If you need extra examples for practice or tests in any type turn to the RESERVOIRS.

# UNIT 1 - PRACTICE WORK

- 1. 5.694 + 8.273 + 8.796 + 9.258 + 4.875.
- 2. \$87.65 + \$509.78 + \$1,007.25 + \$3,509.98 + \$3.77.
- 3. 7 books @ 6c each; 8 @ 11c each; 9 @ \$1.05; 5 @ \$2.25 and 9 @ 9c each. How much altogether?
- 4. \$295.79 × 69.
- 5. ¼ of \$736.89.
- How much altogether is 3 yd. 2 ft. 10 in.; 16 yd. 1 ft. 9 in.; 23 yd. 0 ft. 7 in., 8 yd. 2 ft. 9 in.; and 17 yd. 2 ft. 8 in?
- 7. How many books @ 5c each would cost \$98?
- 8.  $\cdot 79 + 3 \cdot 86 + 73 \cdot 1 + \cdot 037$ .
- 9. 15/16 11/24.
- 10. ¼ of 14,413.
- 11. What would 4½ doz. rulers cost @ 7c each?
- 12. \$501,302 \$37,896.45.
- 13. 3.759 3.6587.
- 14. 7.639 X 78.
- 15. 35,975 ÷ 47.
- 16. Divide \$169.83 into 17 equal portions.
- 17. Take 7.897 from 9.01 and multiply this answer by 11.
- 18. How many cents in \$ of \$15.72?
- 19- 987 X 857.
- 20. Find the value of 27 yd. 2 ft. @ 35c per foot.

#### Year 4 1964

#### Unit 7-Number Work on the 8

1. Make stories for

5+8=13, 17—8=9, 9×8=72, 56÷8=7.

2. Write the forms of (4 minutes)

9+8=17	9×8=72	3+8=11	$4 \times 8 = 32$	$11 \times 8 = 88$
5+8=13	7×8=56	6+8=14		
7+8=15	6×8=48		12×8=96	3×8=24

Score

3. Last table of eights before 22, 39, 28, 45, 51, 59, 69, 75.

- 4. Add 8 to 3, 13, 23; 4, 14, 34; 5, 15, 45; 6, 16, 56; 7, 17, 67; 8, 18, 78; 9, 19, 89.
- Take 8 from 11, 21, 31; 12, 22, 42; 13, 23, 53; 14, 24, 54; 15, 25, 55; 16, 26, 66; 17, 27, 77.

# MENTAL

1. 7 + 8. 2. 57 + 8. 3. 14 - 8. 4. 84 - 8. 5.  $7 \times 8$ . 6.  $6 \times 8 + 5$ . 7.  $48 \div 8$ . 9. Nine thousand and eight. 10.  $5d + 4\frac{1}{2}d$ . Change 1/-. 11. 48d =11. 48d. = 12. 49d. =

Score

13. 4/- =
14. 4/1 =
15. 80/- =
16. 88/- =
17. £4 =
18. £4

Ib. in 1 st.
Pt. in qt.
Weeks in 56 days.
Yd. in 3 chn.  $0 \times 8$ . 9 + 8 + 6 - 4 + 6.

9 + 8. 79 + 8. 13 - 8. 63 - 8.

9 × 8. 4 × 8 + 7. 24 ÷ 8. 69 ÷ 8. Eight thousand and ninety. + 2½d. Change 2/-.

58d. =

#### Score

4/2 = 4/7 = 90/- = 96/- = £4/10/- = £4-13-0 = Lb. in ½ st.
Pt. in 8 qt.
Yr. in 96 months.
Yd. in 1½ chn. 8 - 0.7 + 8 + 9 - 6 - 5.

### Unit 7-Main Oral and Written Work

Addition of £ s. d.

(Single digit only in shillings) 3. £ s. 1 6 3 9 d. 7 8 £ s. d. 2. £ s. d. 2 9 10 6 3 5 10 7 8 1 8 6 2 9

4. £2-7-11 + 8/11 + £1-9-10

5. 25/7 + 6/9 + 42/7. Watch how you put these amounts down.

#### Multiplication-multiplicand to 99, multiplier to 8

7. 87 8. X8  $\times 4$ 10. 59 × 8 9.  $35 \times 6$ 11. 84 × 8

PRACTICE WORK

12. Add these: 308, 480, 18 and 155. 13. 850 14. 890 15. 8)64 -428

16. From 629 take away 386.

17. To 3367 add 852.

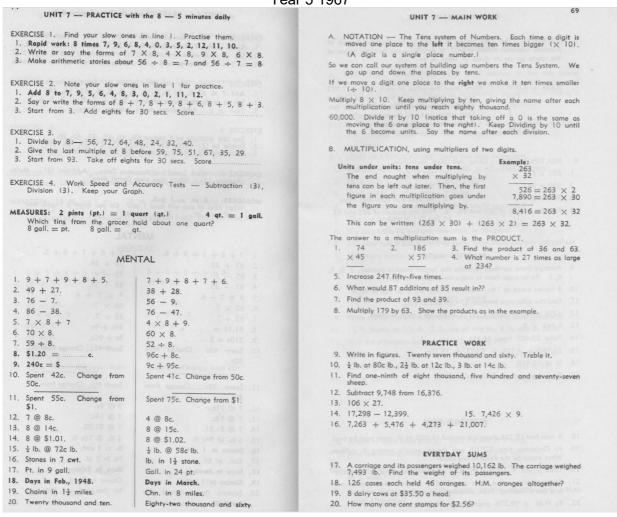
18. 8)32 19. 8)48

#### EVERYDAY SUMS

20. 8) 56

- 8 pencils are put in a box. How many boxes could be filled from 72 pencils?
   How many lollies are needed at a party to give 39
- children 8 each?
- 3. How many sheep has a farmer who has 347 sheep in one paddock, 159, 236 and 84 in his other paddocks?4. A baker bakes 440 loaves of bread. He sold 218 in the
- morning. How many has he left?

Year 5 1967



### The value of money over time

While the value of the coins and notes may not have changed over time, what they can purchase has. One way for students to explore this is to look at the purchasing power of a \$1 or \$10 over time. For example, a package of goods that cost \$1 in 1966 would cost \$12.48 in 2015. The Reserve Bank of Australia has web-based inflation calculator for decimal currency (1966 to 2015) <a href="http://www.rba.gov.au/calculator/annualDecimal.html">http://www.rba.gov.au/calculator/annualDecimal.html</a> It also offers a pre-decimal currency inflation calculator <a href="http://www.rba.gov.au/calculator/annualPreDecimal.html">http://www.rba.gov.au/calculator/annualPreDecimal.html</a> For example, goods costing 10 shillings (10 s) or \$1 in 1918 would cost \$42.80 in 2015. Such explorations could be used to cost typical household items in different decades and possibly explore the average weekly take home pay. For example, The State Library of Victoria offers resources about the change in wages and the cost of living through <a href="http://guides.slv.vic.gov.au/c.php?g=245232&p=1633038">http://guides.slv.vic.gov.au/c.php?g=245232&p=1633038</a> Interestingly this same resource provides a scan of Fredrick Sinnett's 1862 *An Account of the Colony of South Australia* which offers a summary of wages and prices of food (see below)

BUTCHERI'S MEAT.		PRICES OF FOOD.	; 37			
Decf, per lb.   0 2 to 6 Pork, per lb.   0 8 to 0 b	Rutcher's Mran					
Mutton, per lb.		5. d. s. d. 0 2½ to 0 6 Pork, per lb.	0 8 to 0 9			
Baten, Colonial, per lb.   0   10   1   0   Hams, English, per lb.   - 1   4   Milk, per quart   0   4   0   6   0   0   0   0   0   0   0   0		0 3 " 0 5				
Butter, Presh, per lb.						
Dutto, Potted, per lb	Bacon, Colonial, per Ib	- 1 4 Milk per quart	1 4 0 4 " 0 6			
Ditto, English, per lb.	Butter, Potted, per lb	nominal. Ducks, per pair	7 0 " 8 0			
Lard, per lb.		- 0 8 Fowls, per couple				
Eggs, per dozen		0 10 " 1 0 Pigeons, per pair	_ 2 6			
Vegetables		- 1 0 Rabbits, per pair	6 0 " 8 0			
Artichokes   none   Agravagus   none   none   Agravagus   none   none   Agravagus   none   none   none   none   Agravagus   none   none   none   none   Agravagus   none						
Asparagus   none   Onions, por ib.   0 1 " 0 2	Artichokes					
Ditto, French, per lb.	Asparagus	none Onions, per 1b				
Rrocoli						
Capsicums, sacht	Brocoli	none Peas, per peck				
Chilies, per doz. 0 3 " 0 4 Pumpkins. 0 6 " 1 0 Carrots, per bunch 0 2½" 0 4 Radishes, per bunch						
Cauliflowers		0 3 " 0 4 Pumpkins	0 6 " 1 0			
Celery, per stick		0 2½ 0 4 Radishes, per bunch				
Cucumbers. cach. 0 1 " 0 2 Shalots, per lb. 0 4 " 0 6 Garlic, per lb		0 6 " 0 8 Rhubarb, per bunch				
Horseradish, per stick	Cucumbers. cach	0 1 " 0 2 Shalots, per lb	0 4 " 0 6			
Lecks		0 3 " 0 6 Trombones, each	0 4 " 0 8			
Almonds, dried, per ib.	Leeks	0 2 " 0 3 Turnips, per bunch	0 4"" 0 6			
Almonds, dried, per ib. — 1 0 Melons, Sugar, each 0 4 " 1 0 Ditto, green, per ib. — none Melons, Water, per ib. — 0 1 1 Apples, per lb. — 0 1 0 Nectarines, per ib. — 1 0 Ditto, dried, per lb. — 0 10 Nectarines — none Apricots, por doz. — none Nuts, Spanish, per ib. 0 9 " 0 10 Bananas — none Ditto, Brazil, per ib. 0 10 " 1 0 Ditto, Brazil, per ib. 0 10 " 1 0 Ditto, Brazil, per ib. 0 10 " 1 0 Ditto, Brazil, per ib. 0 10 " 1 0 Ditto, Brazil, per ib. 0 10 " 1 0 Ditto, Brazil, per ib. 0 10 " 1 0 Ditto, Brazil, per ib. 0 10 " 1 0 Ditto, Brazil, per ib. — 1 0 Ditto, Moreton Bay — 1 0 Ditto, Moreton Bay — 1 Ditto, Moreton Bay — 1 Ditto, Cape — none Ditto, Cape — non	Lettuces, each		0 1, " 0 15			
Ditto, green, per tb.	Almonds dried nor th		0 4 " 1 0			
Apples, per lb.       0 1 " 0 3 Mulberries, per lb.       — 1 0         Ditto, dried, per lb.       — 0 10 Nectarines       none         Apricots, por doz,       none       Nuts, Spanish, per lb.       0 9 " 0 10         Bananas       none       Ditto, Brazil, per lb.       0 10 " 1 0         Blackberries       none       Oranges       none         Cherries       none       Marmalade do.       none         Citrons       — 0 3 Paccan nuts, per lb.       — 1 0         Cocoanuts       none       Peaches, per lb.       0 2 " 0 4         Currants, black, red, and white       Peaches, por dozen       0 4 " 0 8         Damsons, per quart       0 4 " 0 6 Ditto, Moreton Bay       none         Figs, per dozen       0 2 " 0 4 Plums, American, per quart       — 0 4         Filberts, per lb.       none       Pomegranates       none         Goseberries       none       Raspberries       none         Grapes, per lb.       0 1 " 0 2 Shaddocks       none         Lemons, each       0 2 " 0 6 Strawberries       none         Loquats       none       Walnuts, per lb.       — 0 9         Loquats       none       Ditto, Colonial       none		none Melons, Water, per 15				
Apricots, por doz.	Apples, per lb	0 1 " 0 3 Mulberries, per tb				
Bananas						
Cherries	Bananas	none Ditto, Brazil, per lb	0 10 " 1 0			
Citrons. — 0 3 Paccan nuts, per lb. — 1 0 Cocoanuts — none Pears, per lb		•••				
Cocoanuts none Pears, per lb 0 2 " 0 4 Peaches, por dozen 0 4 " 0 8 Pineapples none Pigs, per dozen 0 2 " 0 4 Plums, American, per quart 0 4 " 0 6 Pineapples none Pomegranates none Quinces none Quinces none Grapes, per lb 0 1 " 0 2 Shaddocks none Lemons, each 0 2 " 0 6 Strawberries none Limes none Ditto, Colonial none Pomegranates none Loquats none Ditto, Colonial none Naspherries none none Ditto, Colonial none 0 9		— 0 3 Paccan nuts, per lb	- 1 0			
white Damsons, per quart Figs, per dozen O C C C C C C C C C C C C C C C C C C	Cocoanuts	none Pears, per lb	0 2 " 0 4			
Damsons, per quart 0 4 " 0 6 Ditto, Moreton Bay none Figs, per dozen 0 2 " 0 4 Plums, American, per quart 7 0 4 Filberts, per lb none Pomegranates none Ditto, Cape none Raspberries none Grapes, per lb 0 1 " 0 2 Shaddocks none Lemons, each 0 2 " 0 6 Strawberries none Limes none Walnuts, per lb none Loquats none Ditto, Colonial none	white	Pineapples				
Filberts, per ib. none Pomegranates none Gooseberries none Quinces none Ditto, Cape none Raspberries none Grapes, per ib 0 1 " 0 2 Shaddocks none Lemons, each 0 2 " 0 6 Strawberries none Limes none Walnuts, per ib 9 Loquats none Ditto, Colonial none	Damsons, per quart	0 4 " 0 6 Ditto, Moreton Bay				
Gooseberries none Quinces none Ditto, Cape none Raspberries none Grapes, per lb 0 1 " 0 2 Shaddocks none Lemons, each 0 2 " 0 6 Strawberries none Limes none Walnuts, per lb 9 Loquats none Ditto, Colonial none	Figs, per dozen	none Pomegranates				
Ditto, Cape	Gooseberries	none Quinces				
Lemons, each 0 2 " 0 6 Strawberries none Limes none Walnuts, per lb 0 9 Loquats none Ditto, Colonial none	Ditto, Cape	none Raspberries				
Limes none Walnuts, per ib 0 9 Loquats Ditto, Colonial none	Lemons. each	0 2 " 0 6 Strawberries				
Tr Su	Limes	none Walnuts, per lb	- 0 9			
ALCUMIN MUNG	Loquats Medlars	none Ditto, Colonial	none			

Remember one shilling (s) is equivalent to 10 cents and one penny (d) is equivalent to 1 cent.

In closing, the 14<sup>th</sup> February marks the 57<sup>th</sup> anniversary of one of the ways mathematics is used in our daily lives. I hope this brief discussion encourages you to make use of this anniversary in your mathematics program as an opportunity to engage your learners a cultural and historical perspective of everyday mathematics.

Go well,

Mike Chartres