

DIFFERENTIATION

Australian Coins and Notes

Money and Financial Mathematics 1

Based on your Professional Teacher Judgment and Pre-assessment data, Levels with **1** may be included in the first lesson; Based on embedded assessment data, Levels with **2** **3** may be included in the these lessons. The anchor charts for this concept may look like these on a 'Wall that Teaches' over a few lessons.

MF 1 Features of Australian coins

MF 2 Values of Australian coins, not related to size

MF 4 100 cents in \$1, 200 cents in \$2

$$\begin{array}{r} \$1 \\ 50c + 50c = \$1 \\ 50 + 50 = 100 \end{array}$$

MF 5 Count, order small collections of coins and notes according to their value

45 cents Lower value 55 cents Higher value

MF 6 Make given amounts in multiple ways using coins and notes

MF 7 AS 18 Add and subtract coins and notes, count change

SALE! \$3.75

Change = \$1.25

MF 8 MD 6 Multiplication of coins and notes to make equivalent values

$$4 \times 5c = 20c$$

MF 9 AS 23 Add and subtract money, with up to four digits using place value. Round totals to the nearest 5 cents

$$68c + 58c =$$

$$\begin{array}{r} 40c + 10c \quad 2c + 6c \\ + 40c \quad + 10c \quad + 2c \quad + 6c \\ \hline 68c \quad 1.08 \quad 1.18 \quad 1.20 \quad 1.26 \end{array}$$

Round to \$1.25

$$68c + 60c = 128c$$

$$68c + 60c = \$1.28$$

$$\$1.28 - 2c = \$1.26$$

$$68c + 58c = \$1.26$$

$$\$1.26 - 58c =$$

$$\begin{array}{r} 20c + 30c \quad 6c + 2c \\ - 2c \quad - 6c \quad - 30c \quad - 20c \\ \hline 68c \quad 70c \quad 76c \quad 1.06 \quad 1.26 \end{array}$$

Round to 70c

$$\$1.26 - 60c = 66c$$

$$66c + 2c = 68c$$

$$\$1.26 - 58c = 68c$$

Round to 70c

MF 10 AS 24 Add and subtract five-digit numbers, as money, using place value. Round to the nearest 5 cents

$$\$368.25 + \$258.97 = \$627.22$$

$$\$40.00 + \$10.00 + \$2.00 + \$6.00 + 80c + 10c + 5c + 2c$$

$$+\$200 \quad +\$40 \quad +\$10 \quad +\$2 \quad +\$6 \quad +80c + 10c + 5c + 2c$$

$$\$368.25 \quad \$568.25 \quad \$608.25 \quad \$618.25 \quad \$620.25 \quad \$626.25 \quad \$627.05 \quad \$627.15 \quad \$627.20 \quad \$627.22$$

$$\$368.25 + \$258.97 =$$

$$\$368.25 + \$260.00 = \$628.25$$

$$\$628.25 - \$1.03 = \$627.22$$

$$\$368.25 + \$258.97 = \$627.22$$

$$\$627.22 - \$158.97 = \$468.25$$

$$\$20 + \$30 \quad \$7 + \$1 \quad 20c + 70c \quad 2c + 5c$$

$$- 5c - 2c - 70c - 20c - \$1 - \$7 - \$30 - \$20 - \$100$$

$$\$468.25 \quad \$468.30 \quad \$468.32 \quad \$469.02 \quad \$469.22 \quad \$470.22 \quad \$477.22 \quad \$507.22 \quad \$527.22 \quad \$627.22$$

$$\$627.22 - \$158.97 =$$

$$\$627.22 - \$160.00 = \$467.22$$

$$\$467.22 + \$1.03 = \$468.25$$

$$\$627.22 - \$158.97 = \$468.25$$

Embedded assessment data may tell us we need to re-explicitly teach some Levels.



FD29 Percentages as hundredths.

MF 11 FD 18 PV 22 Amounts of money are written with two decimal places. Recognise cents as a fraction of a dollar.

\$4.25

ones	tenths	hundredths
4	2	5

decimal point

MF 12 Financial plans using a spreadsheet program

	A	B	C
1	Income	Expenses	Balance
2		\$10.00	\$2.00
3			\$5.00
4			\$4.00
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

MF 13 FD 30 Investigate and calculate percentage discounts of 10%, 25% and 50% on sale items

SALE UP TO 70% OFF

PLUS FURTHER REDUCTIONS

70% of \$49.95	30% of \$49.95
Round up to \$50	Round up to \$50
70% of \$50 =	30% of \$50 =
10% of \$50 = \$5	10% of \$50 = \$5
7 x \$5 = \$35 discount	3 x \$5 = \$15 discounted price
\$50 - \$35 = \$15	