

# DIFFERENTIATION

## Financial Plans Using a Spreadsheet

Money Financial Mathematics 12

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 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

**1**

\$1 = 100 cents

50c + 50c = \$1

50 + 50 = 100

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

**1**

68c

68c is closest to 70c

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

**2**

SALE! \$3.75

Change = \$1.25

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

**4 x 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

**1**

$68c + 58c =$

$40c + 10c \quad 2c + 6c$

+ 40c

+ 10c + 2c + 6c

Round to \$1.25

68c    1.08    1.18    1.20    1.26

$68c + 60c = 128c$

$68c + 60c = \$1.28$

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

$68c + 58c = \$1.26$

$\$1.26 - 58c =$

$20c + 30c \quad 6c + 2c$

-2c    -6c    -30c    -20c

Round to 70c

68c    70c    76c    1.06    1.26

$\$1.26 - 60c = 66c$

$66c + 2c = 68c$

$\$1.26 - 58c = 68c$

Round to 70c

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

**2**

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

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

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

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

$\$368.25 + \$258.97 =$

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

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

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

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

$\$20 + \$30$

$\$7 + \$1$

$20c + 70c$

$2c + 5c$

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

\$468.25 \$468.30 \$468.32 \$469.02 \$469.22 \$470.22 \$477.22 \$507.22 \$527.22 \$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.

MF 11 FD 16 PV 22 Amounts of money are written with two decimal places. Recognise cents as a fraction of a dollar.

\$4.25

\$ 4 . 2 5

hundredths

tenths hundredths

\$ 4 . 2 5

ones tenths hundredths

\$ 4 . 2 5

decimal point

MF 12 Financial plans using a spreadsheet program

**2** **3**

	A	B	C
1	Income	Expenses	Balance
2	\$10.00	\$2.00	
3		\$5.00	
4		\$4.00	
5			
6			
7			
8			
9			
10		sum(B2:B10)	sum(C2:C10)
11			
12			
13			
14			
15			

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 \$5 = \$5

7 x \$5 = \$35 discount    3 x \$5 = \$15 discounted price

\$50 - \$35 = \$15

