

Adding and subtracting money: written and mental

CURRICULUM ALIGNMENT

MEA.MON.4

solve and pose practical tasks to investigate and make informed judgements about transactions and financial plans.

NUM.OPS.4

build upon, select and make use of a range of operation strategies.

INTERACTIVES

Column Addition · challenge, display

Column Subtraction · display

Coin Counter · challenge

WHAT THIS LESSON TEACHES

When adding or subtracting money, line up the decimal points so the euro column stays over the euro column and the cent columns stay over each other.

→ €4.85 + €2.35 with points aligned so cents add in the same column

→ €10.00 - €4.55 = €5.45

MODEL THIS ON THE BOARD

SANDWICH AND JUICE TOTAL

- 1 Write €4.85 and €2.35 with decimal points one under the other.
- 2 Add the cents column: $5 + 5 = 10$, write 0 carry 1 euro.
- 3 Add the tenths: $8 + 3 + \text{carry } 1 = 12$, write 2 carry 1.
- 4 Add the euros: $4 + 2 + \text{carry } 1 = 7$. Total €7.20.

ANSWER KEY

a) €6.20

b) €8.65

c) €5.45

Q1: €8.75

Q2: €9.20

Q3: €10.84

a) Always : This keeps euros over euros and cents over cents so the sum is correct.

b) Always : 120c becomes 1 euro carried and 20c left in the cents place.

c) Never : Points must line up or the euro and cent columns mix and the answer is wrong.

d) Always : When the top cents are too small, a euro is broken into 100 cent every time.

EXTENSION SHEET · STRETCH ANSWERS

S1: €1713.78

S2: €885.86

S3: €29.32

S4: €1081.54

S5: €113.10