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### WJEC GCSE Mathematics and Numeracy (Double Award) – Question Pack

Foundation-leaning topic on basic money handling, best-buy decisions and pence/pound arithmetic, in real-world contexts. Sourced from legacy WJEC GCSE

# REVISE

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## 1.01 – Money basics – pounds, pence & best buys

### *Spec 1.8.1, 1.8.2 – Unit 1 (calculator allowed)*

Foundation-leaning topic on basic money handling, best-buy decisions and pence/pound arithmetic, in real-world contexts. Sourced from legacy WJEC GCSE Mathematics-Numeracy Intermediate papers, organised for revision under the 2025 spec.

2025 SPECIFICATION

#### Estimated time for entire question pack: ~28 minutes

Derived from the GCSE Higher pace of ~1.5 min/mark (19 marks across 3 questions).

You are advised to **not** attempt to complete all of this in one sitting.

#### ABOUT THIS QUESTION PACK

This is a **focused single-topic practice pack**, not a single mock paper. Questions are organised against the 2025 specification. Questions are ordered chronologically by sitting, with custom-written and SAM questions at the end.

#### INSTRUCTIONS

Use black ink or black ball-point pen. Show all working – method marks are awarded for clear setup.

A calculator is allowed on every question in this pack (Unit 1 is the calculator-allowed paper).

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# Money basics – pounds, pence & best buys – what the new spec asks

WJEC GCSE Mathematics (first teaching 2025) · Unit 1: calculator-allowed.

## Best-buy comparisons 1.8.1

- Reduce each option to a unit price (price per gram, per ml, per item).
- Compare unit prices – cheaper per unit is the better deal.
- Express working clearly: pence per gram is the standard form.

## Money arithmetic 1.8.2

- Convert between pence and pounds: 1p = £0.01.
- All money answers should show two decimal places (£3.40, not £3.4).
- When totalling, work in pence to avoid rounding errors.

## Multi-step problems 1.8

- Read carefully: how many of each item?
- Set up an expression then evaluate.
- Always check your final answer makes sense in context (no £0.005 results).

## Practical strategy 1.8

- Show working – method marks if the final value is wrong.
- Lay out tables/columns when comparing several options.
- Calculator allowed on Unit 1; check the order of operations.

# Money basics – pounds, pence & best buys in one page

Quick-reference notes – revisit before each question. Don't use during the questions.

## Best buy

Reduce each option to a unit price (price per ml, per g, per item).

Cheapest *unit* price wins – not cheapest pack.

E.g. 500 ml for 40p = 0.08p per ml.

## Decimal money

£1.20 = 120p. Always work in either pounds or pence – never mix.

Two decimal places for £ answers (£3.40, not £3.4).

## Proportional cost

$$\text{cost} \times (\text{new amount} / \text{old amount})$$

E.g. 75 ml for 93p  $\Rightarrow$  100 ml =  $93 \times 100/75$  = 124p.

## Multiple items

Twice as many pots as saucers? Let saucers =  $n$ , pots =  $2n$ .

Total cost =  $n \times (\text{saucer price}) + 2n \times (\text{pot price})$ .

## Scale by ratio

Recipe for 12: scale up/down by a factor.

For 18 pancakes, scale by  $18/12 = 1.5$  – multiply all ingredients.

## Common traps

- Mixing pence and pounds in the same step.
- Forgetting to multiply both pot and saucer prices.
- Comparing pack price instead of unit price.

Examiner only

3. (a) Martina is going to buy some milk to make pancakes.



**Small**  
500 ml for 40p



**Medium**  
1200 ml for £1.20



**Large**  
2000 ml for £2.50

Which size carton of milk offers the best value for money?  
You must show all your working.

[3]

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(b) Martina's pancake recipe is as follows.

**Pancake recipe - Makes 12 pancakes**  
100g flour  
2 eggs  
300ml milk

Calculate the quantity of milk needed to make 30 pancakes.

[2]

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Milk: ..... ml



Examiner only

1. (a) Identical toothbrushes are sold in packs of 3 or 5.

A pack of 3 toothbrushes costs £1.44.  
A pack of 5 toothbrushes costs £2.25.



Which pack of toothbrushes offers better value for money?  
You must show all your working.

[3]

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(b) 75 ml tubes of toothpaste cost 93p each.  
100 ml tubes of toothpaste offer the **same** value for money.  
Calculate the cost of a 100 ml tube of toothpaste.



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Examiner only

3. (a) Charlton Garden Centre sells plant pots and saucers.



At the garden centre, Enid buys twice as many plant pots as she does saucers.  
 The cost of a plant pot is 40p.  
 The cost of a saucer is 25p.  
 She spends £10.50 buying these plant pots and saucers.

Calculate how much Enid spends on buying the **saucers**.  
 You must show all your working.

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Enid spends £ ..... buying the **saucers**

(b) Charlton Garden Centre sells packets of wild flower seeds.



Bee Flower Mix  
 1 g packet of seeds  
 £2.49



Cornfield Flower Mix  
 5 g packet of seeds  
 £15



Butterfly Flower Mix  
 3 g packet of seeds  
 £7.20

Which of the three different packets of seeds is the best value for money?

Bee Flower Mix

Cornfield Flower Mix

Butterfly Flower Mix

You must show all your working.

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Examiner only

- (c) (i) *In this part of the question, you will be assessed on the quality of your organisation, communication and accuracy in writing.*



Gareth buys packets of Cosmos flower seeds to sow in a part of his garden.  
The diagram below shows this part of his garden.

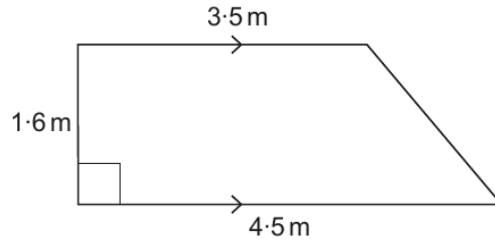


Diagram not drawn to scale

A 2.5 g packet of Cosmos seeds costs £8.20.  
Gareth needs 1 gram of Cosmos seeds to sow an area of  $1 \text{ m}^2$ .

Calculate how much it costs Gareth to buy the packets of Cosmos seeds he needs to sow this part of the garden.  
You must show all your working.

[5 + 2 OCW]

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- (ii) There are 105 Cosmos seeds in each gram.  
How many seeds are there in 10 kg?  
Circle your answer.

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1050      10 500      105 000      1 050 000      10 500 000

