testbase

New Document 1

Name: _____

Class: _____

Date: _____

Time: **15 minutes**

Marks: **15 marks**

Comments:

1 Write numbers in the boxes to make this calculation correct.

$$50 - \boxed{} = \boxed{} + 10$$

1 mark

2 Write in the missing number.

$$8.5 + 14.7 = 10.2 + \boxed{}$$

1 mark

3 Write the missing numbers to make these calculations correct.

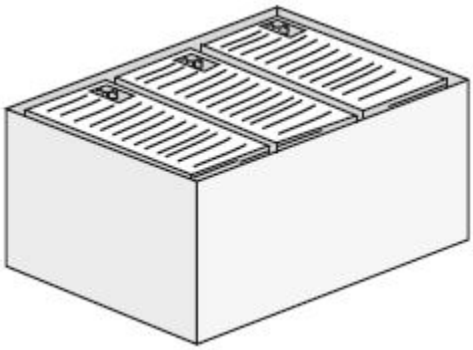
$$200 \times \boxed{} - 200 = 200$$

1 mark

$$(100 - \boxed{}) \times 100 = 100$$

1 mark

4



There are 2,400 leaflets in a box.

William and Ally take 450 leaflets each.

Adam and Chen share the rest of the leaflets equally.

How many leaflets does Adam get?

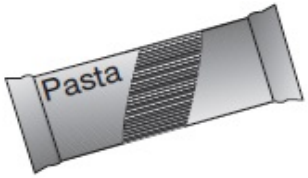
Show your method

2 marks

5

Chen is cooking some pasta.

The recipe says he needs 350 grams of pasta for 4 people.



How many **kilograms** of pasta does he need for **12 people**?

Show your method

kg

2 marks

6

Large pizzas cost £8.50 each.

Small pizzas cost £6.75 each.

Five children together buy one large pizza and three small pizzas.

They share the cost equally.

How much does each child pay?

Show your method

£

2 marks

7

Lara chooses a number less than 100

She divides it by 3 and then subtracts 11

She then divides this result by 2

Her answer is 10.5

What was the number she started with?

Show your method

2 marks

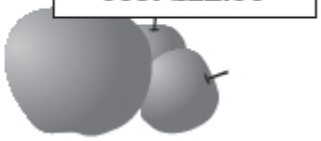
8

One toffee apple needs:

1 stick,

100 g of sugar,

1 apple.



Children buy just enough sticks, sugar and apples to make **100** toffee apples.

They sell all 100 toffee apples for **£1 each**.

The profit goes to charity.

Work out how much money goes to charity.

Show your method

£

3 marks

Mark schemes

1 Any two numbers which total 40, eg:

- 10 and 30
- 20 and 20
- 0 and 40
- 1 and 39

Accept negative numbers and decimals.

[1]

2 13

[1]

3 2

1

99

1

[2]

4 Award **TWO** marks for the correct answer of 750

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- 450 × 2 = 900
  2,400 − 900 = 1,500
  1,500 ÷ 2

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2m

[2]

5 Award **TWO** marks for the correct answer of 1.05 kg.

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:

- 12 ÷ 4 = 3

  350 × 3 = 1050

  1050 ÷ 1000 = wrong answer

  Do not *accept 1050 g*

  Accept for ***ONE*** *mark 10.5 or 105 as evidence of appropriate working.*

  Working must be carried through to reach an answer for the award of ***ONE*** *mark.*

Up to 2m

[2]

6 Award **TWO** marks for the correct answer of £5.75

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g:

- £6.75 × 3 = £20.25
  £20.25 + £8.50 = £28.75
  £28.75 ÷ 5

  Answer need not be obtained for the award of ***ONE*** *mark.*

Up to 2

[2]

7 Award **TWO** marks for the correct answer of 96

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g:

- 10.5 × 2 = 21
  21 + 11 = 32
  32 × 3

  Answer need not be obtained for the award of ***ONE*** *mark.*

Up to 2

[2]

8 Award **THREE** marks for the correct answer of £55.10

Award **TWO** marks for a complete correct method with one arithmetic error, eg

■ Sticks		£12.50
Sugar		£ 9.99 (error)
Apples	+	£22.50
Total		£44.99

Profit		£100.00
	–	£ 44.99
		£ 55.01

OR

If the answer is incorrect, award **TWO** marks for evidence of a correct total for all the ingredients, eg

■ Sticks		£12.50
Sugar		£ 9.90
Apples	+	£22.50
Total		£44.99

OR

Award **ONE** mark for sight of £12.50 **and** £9.90

Up to 3

[3]