

Booster Pages KS2



Shopping/Visits
Non-Calculator

Level 3/4

Number of practice sheets: 13

MathSphere

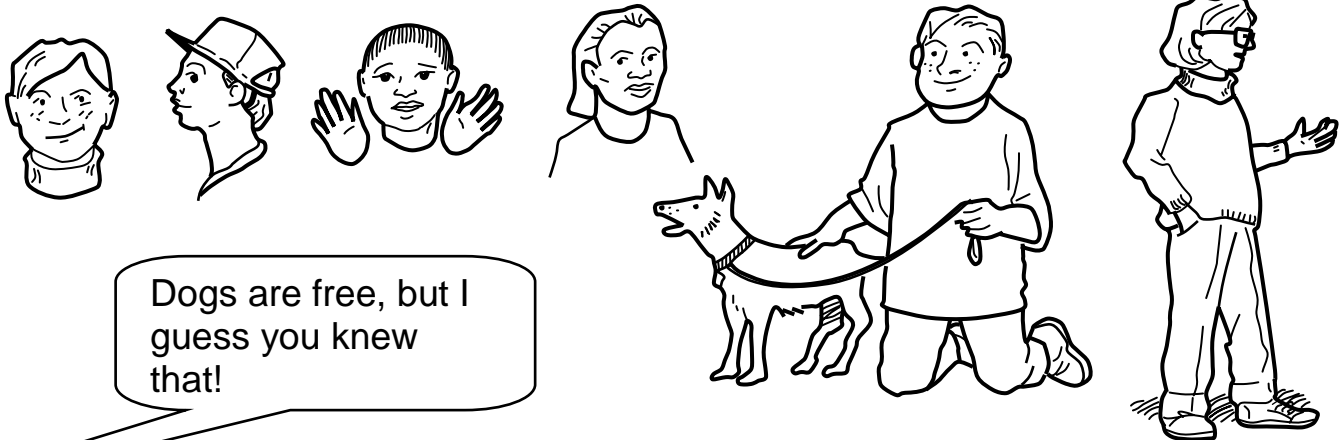
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Notes

Most of the questions in the national examinations in this topic are at levels 3 and 4. The level 5 work is normally contained in the very last part of the question. There is therefore, no point in having a whole module devoted to level 5 work. Instead similar parts are contained in the questions in this module.

As hinted at above, the questions are normally progressive in difficulty level and children need to learn to read the questions carefully as they can often be wordy.

Obviously the main topic covered in this module is that of “money” and children should be familiar with converting from pounds and pence to pence and vice versa (eg $\text{£}3.45 = 345\text{p}$). They will also need to be capable of extracting the information needed at a given point in the question from all that displayed on the page. This is an idea that many children find difficult and patience in this area will be needed.



1. a) Some children go to a museum. It costs **£1.50** to go in.
How much does it cost for **6** children?

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- b) There are **60** children altogether.
They are put into groups of **10**.
How many groups are there?

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- c) The **60** children go to the museum in minibuses.
Each minibus holds **11** children.
What is the **least number of minibuses** they will need?

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- d) They set off from school at **8.40 a.m.** and the journey takes **40 minutes**.
At what time do they arrive at the museum?

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1. a) Mrs Valeh takes her two children to town by train.

The ticket for Mrs Valeh costs **£1.65**.

Electric Trains Ltd
Adult £1.65

The ticket for each child costs **£0.80**.

Electric Trains Ltd
Child £0.80

How much **more** is Mrs Valeh's ticket than a child's ticket?

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b) What does Mrs Valeh pay for herself and her two children?

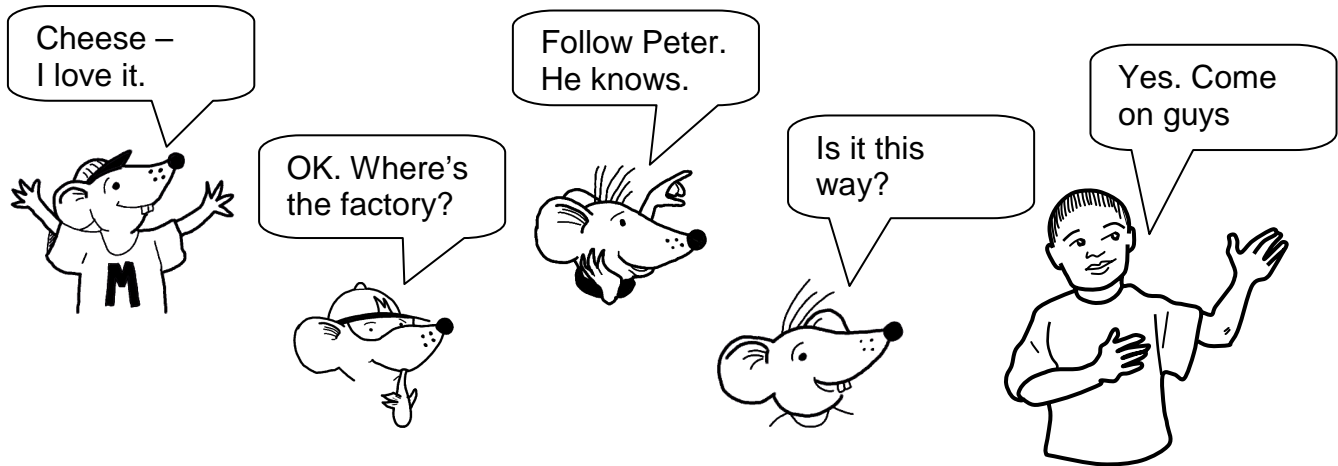
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2. What is the total cost of **6** drinks at **43p** each and **8** drinks at **38p**?

You must show your working.

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1. Peter takes the Maths Rats for a day out to the cheese factory.



a) The car uses 4 litres of petrol. Each litre costs 75p.
What is the cost of the petrol?

The Maths Rats eat the weight of cheese shown below:

Addy	250 grams
Subby	320 grams
Multy	285 grams
Divvy	430 grams

Divvy always was a bit greedy!!!!!!!!!!!!

b) How many grams did they eat altogether?

c) How many grams **more** did Subby eat than Multy?

1. A shop sells CDs. Each CD has a price code.

This table shows the price codes and the prices.

Price Code	Price
012	£10.50
013	£12.20
016	£13.50
017	£13.75
019	£14.00

a) Mary buys **2 CDs**. They have the price codes **012** and **016**.

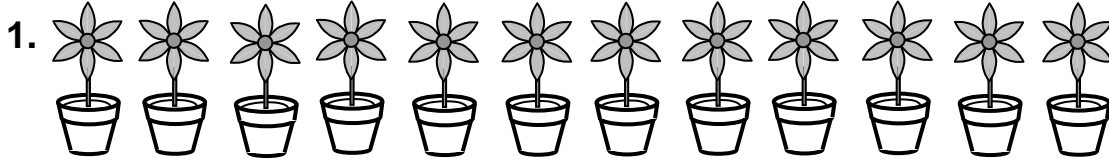
How much do they cost altogether?

b) Simon buys a CD with price code **017**.
He pays for it with a **£20** note.

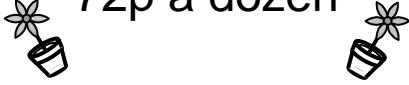
How much change does he get?

c) Michelle buys a CD with a **£20** note and gets **£6.50** change.

What is the **price code** on her CD ?



Flowers
72p a dozen



a) Sam wants to buy some flowers in pots for his mother's birthday.

The flowers are **72p a dozen**.

How much does **one** cost?

How much do **5** cost?

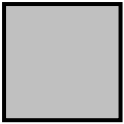

One costs	<input type="text"/>
5 cost	<input type="text"/>

b) Sam buys a dozen for his mother **and** a dozen for his auntie. He pays with a **five pound note**.

How much change does he get? Show all your working.

c) Sam then sees the same flowers in another shop. These cost **£1.00 for 20 flowers**. Explain why Sam may be disappointed.

TILES

	
15cm × 15cm	30cm × 15cm
20p each	35p each

1. Mr Green needs to tile an area of wall **150cm x 30cm**.

- a) If he used the square tiles, how many would he need?
What would this cost?

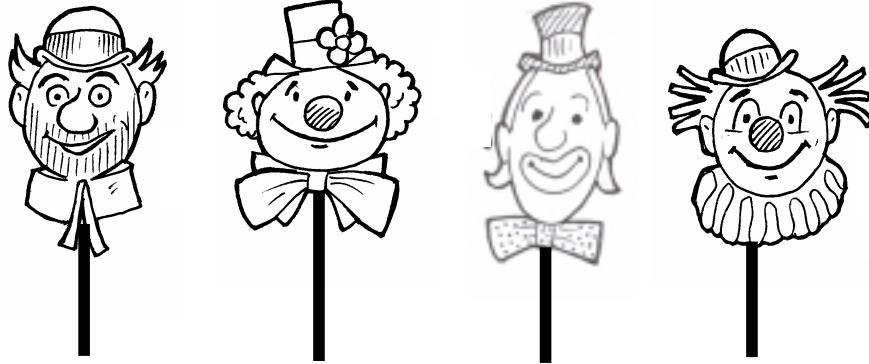
	He needs	<input type="text" value="tiles"/>
	Cost	<input type="text"/>

- b) How much would he save if he used the rectangular tiles instead.
Show all your working.



Tiles? How boring!
I prefer custard pies!

1.



These puppets are for sale at the following prices:

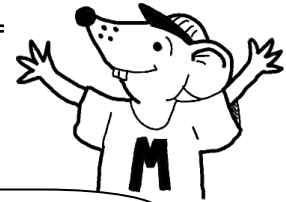
One puppet:	£ 5.80	Three puppets	£15.10
Two puppets	£10.40	Four puppets	£18.56

a) Jane buys four puppets. How much are they each?

b) Mick buys two puppets on Monday and Fred buys two puppets on Tuesday.
How much would they have **saved** if they had bought all four puppets together and shared them out?

c) Give an example of something you have seen for sale in a shop where it is cheaper to buy more than one at a time.

This is a terrific page, and **absolutely essential** if you are going to do well in those tests!!!!



He's passed all his tests – especially the cheese eating one!

1.

In each question add up the amounts of each bill and find the change from the **£5**, **£10** or **£20** note.

a) **£20** note

£1.20
£2.40
£4.15
£3.10

Change

b) **£20** note

£2.80
£1.30
£3.20
£4.78

c) **£10** note

£3.24
£0.32
£3.16
£1.24

d) **£5** note

£0.67
£1.34
£0.16
£2.18

Change

e) **£20** note

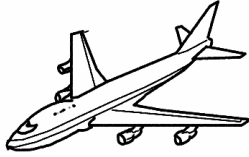
£5.94
£3.13
£2.35
£7.19

f) **£10** note

£2.15
£3.85
£0.18
£1.32

When you have finished you can ask your teacher for a piece of cheese, gorgonzola of course.

1.



Model planes
£2.34 each



Model cars
£1.80 each

a) Geoff buys **10 model planes**.
How much does he pay for these?

b) Kelly has **£20**.
How many model cars could she buy?

c) Mick has a **£10 note**. He buys some model planes and gets
£2.98 change.
How many planes did he buy?

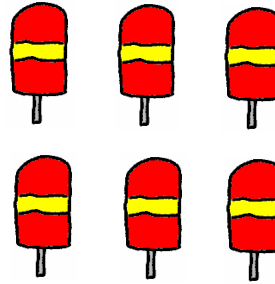
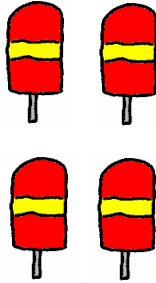
d) Navid wants to buy **three model planes** and **two model cars**.
He has a **£10 note**.

Explain why he does **not** have enough money.
Show all your working.

Working

Explanation

1.



Box of 4 Chocolate Lollies for 65p

Box of 6 Lemon Lollies for 90p

- a) Parisa bought some boxes of chocolate Lollies and some boxes of lemon Lollies. **She spent £3.75 altogether.**

How many boxes of each type did she buy?

Show your working

Boxes of chocolate lollies

Boxes of lemon lollies

- b) Mrs Smith and Mrs Jones bought some boxes of lollies.

Mrs Smith said,

“I bought the same number of lollies as Mrs Jones, but I paid less money.”

Explain how this could happen.

1. 378 children go ice skating.

a) Their teacher wants to put the children into **groups of 12**.

How many **groups of 12** can she make?

How many children will be left over?

Groups of 12	<input type="text"/>
Children left over	<input type="text"/>

b) The left over children are put in a group of their own.

Each group has an adult.

What is the **total cost** of all the children and all the adults?

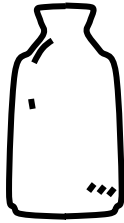
Show all your working.

<p>Ice Skating</p> <p>Adults £3.20</p> <p>Children £1.00</p>
--

<input type="text"/>

c) Explain why it would be **£16.00** cheaper if the children were put into groups of **14** instead of **12**.

1.



Fizzo



Dizzo



Wizzo



Tizzo

A shop sells four types of drinks. Each drink has a price code on it.

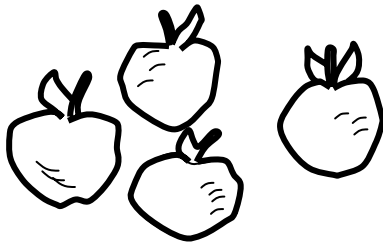
Drink	Price Code	Price
Fizzo	ABA	£1.23
Dizzo	CBA	£1.59
Wizzo	DDD	£0.89
Tizzo	EDF	£1.47

- a) Sam buys a bottle of Fizzo and a bottle of Tizzo.
How much does she pay altogether?

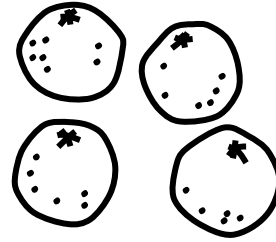
- b) Peter buys a bottle with code **CBA** and a bottle with code **ABA**.
How much does he pay altogether?

- c) Sadi buys **two bottles of the same drink**. She pays with a **£5** note and gets **£2.06** change.
What was the price code of her drinks?

1.



Apples
£1.35 per Kilo



Oranges
£1.78 per Kilo

- a) Mrs Green bought **4 Kilos of apples** and **2 kilos of oranges**.
How much did she pay?

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- b) An **apple** weighs about **100g**.
An **orange** weighs about **200g**.

Jenny spent **£2.70 on apples**.

About how many apples did she buy?

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- c) John bought **four** kilos of oranges. Explain how to work out how many oranges he bought.

Answers

Page 3

1. a) £9.00 b) 6 c) 6 d) 9.20 a.m.

Page 4

1. a) 85p b) £3.25
2. £5.62

Page 5

1. a) £3.00 b) 1285g c) 35g

Page 6

1. a) £24.00 b) £6.25 c) 016

Page 7

1. a) 6p 30p b) £3.56 c) These are only 5p each and he paid 6p each.

Page 8

1. a) 20 tiles £4.00 b) 50p

Page 9

1. a) £4.64 b) £2.24 c) Example from child.

Page 10

1. a) £9.15 b) £7.92 c) £2.04
d) £0.65 e) £1.39 f) £2.50

page 11

1. a) £23.40 b) 11 c) 3
d) $£2.34 \times 3 + £1.80 \times 2 = £ 10.62$
Navid is 62p short.

Page 12

1. a) 3 boxes chocolate 2 boxes lemon
b) It could happen if they bought 12 lollies each, for example.
Mrs Smith would buy two boxes @ 90p and pay £1.80
Mrs Jones would buy three boxes @ 65p and pay £1.95

Answers (Contd)

Page 13

1. **a)** 31 groups of 12 and 6 left over **b)** £480.40
c) $378 \div 14 = 27$ groups. Therefore 5 adults less needed.
 $£3.20 \times 5 = £16.00$

Page 14

1. **a)** £2.70 **b)** £2.82 **c)** EDF

Page 15

1. **a)** £8.96 **b)** 20
c) Divide 1000g by 200g to get the number of oranges per kilo
(answer =5).
Multiply 5×4 to get number of oranges (answer = 20)

OR

Realise that 4Kg is 4000g and divide $4000 \div 200$ to get 20