In the car park

Tesbury's

OPENING TIMES
Mon - Fri 9am-5pm
Sat 7.30am-9pm Sun 11am-5pm

CAPACITY 120 TROLLEYS

PARKING
First 2 hrs free
After that £1.50 per hr

CAPACITY 120 TROLLEYS

CAPACITY 120

CAPACITY 120

TAXI

TESBURY'S CAR PARK

GLASS

PAPER

TEXTILES

PLASTIC

Recycling point
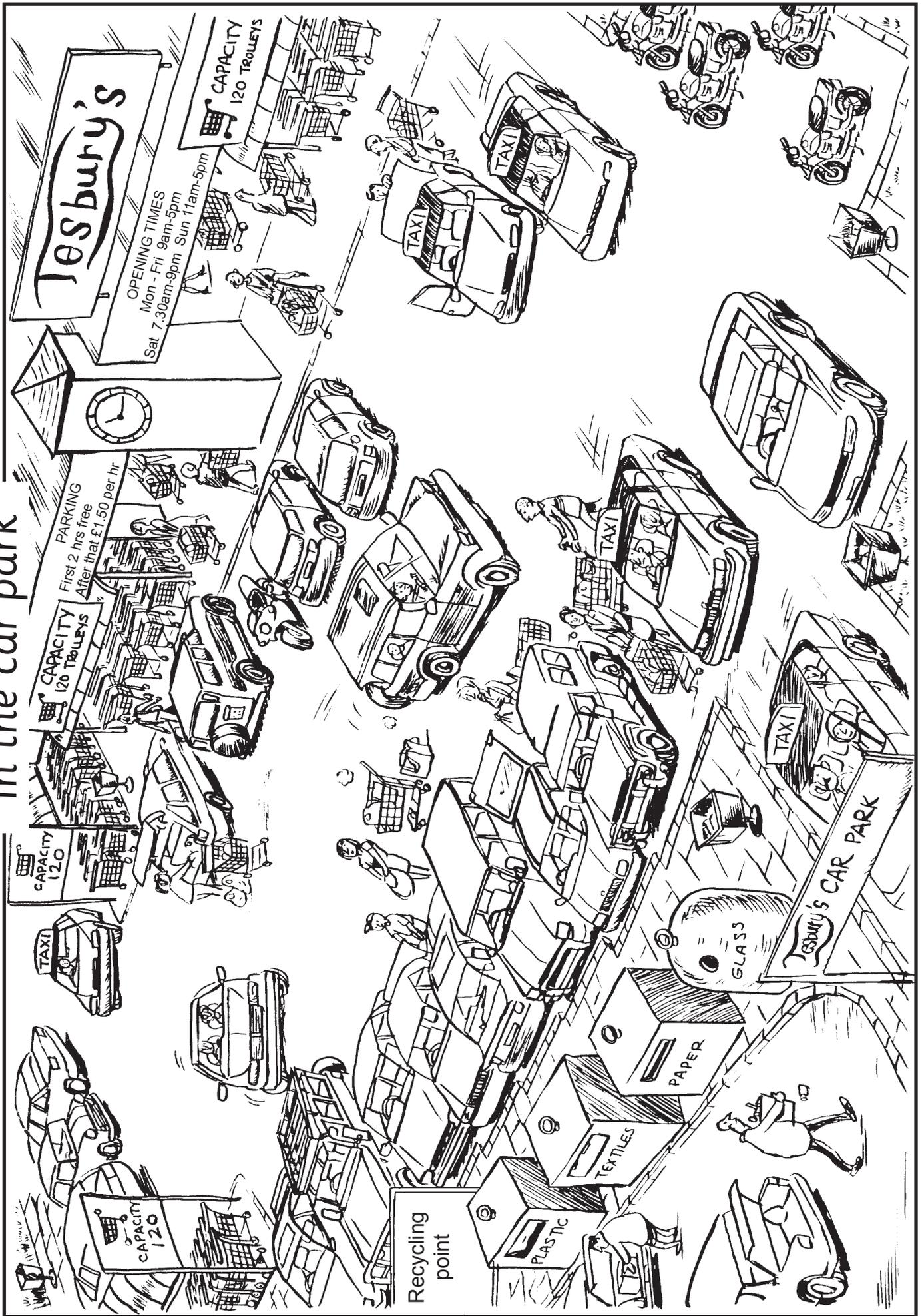
In the car park (A)

Look at the picture on page 1.

1. How many taxis can you see? _____

2. How many motorbikes are there? _____

3. How many motorbikes and taxis are there altogether? _____

4. What is the time on the supermarket clock? _____

5. How many recycling bins can you see? _____

6. How many trolley shelters can you see? _____

7. How many trolleys can each shelter hold? _____

8. How many trolleys can be held in these shelters altogether? _____

9. What shape is the paper recycling bin? _____

10. How many litter bins are in the picture? _____

In the car park (B)

Look at the picture on page 1.

1.   Mum stays in the car park for 4 hours.

    How much does she pay for using the car park? _____

2.   5672 vehicles use the car park on Monday.

    On average, how many vehicles use the car park per hour? _____

3.   Half as many cars park at the supermarket on Tuesday as on Monday.

    How many cars use the car park on Tuesday? _____

4.   How much longer is the supermarket open on a Thursday

    than on a Sunday? _____

5.   How many hours is the supermarket open on the longest day? _____

6.   How many hours is the supermarket open per week? _____

7.   One of the trolley shelters is half full.

    How many more trolleys can it hold? _____

8.   A trolley shelter by the store is 3/4 full.
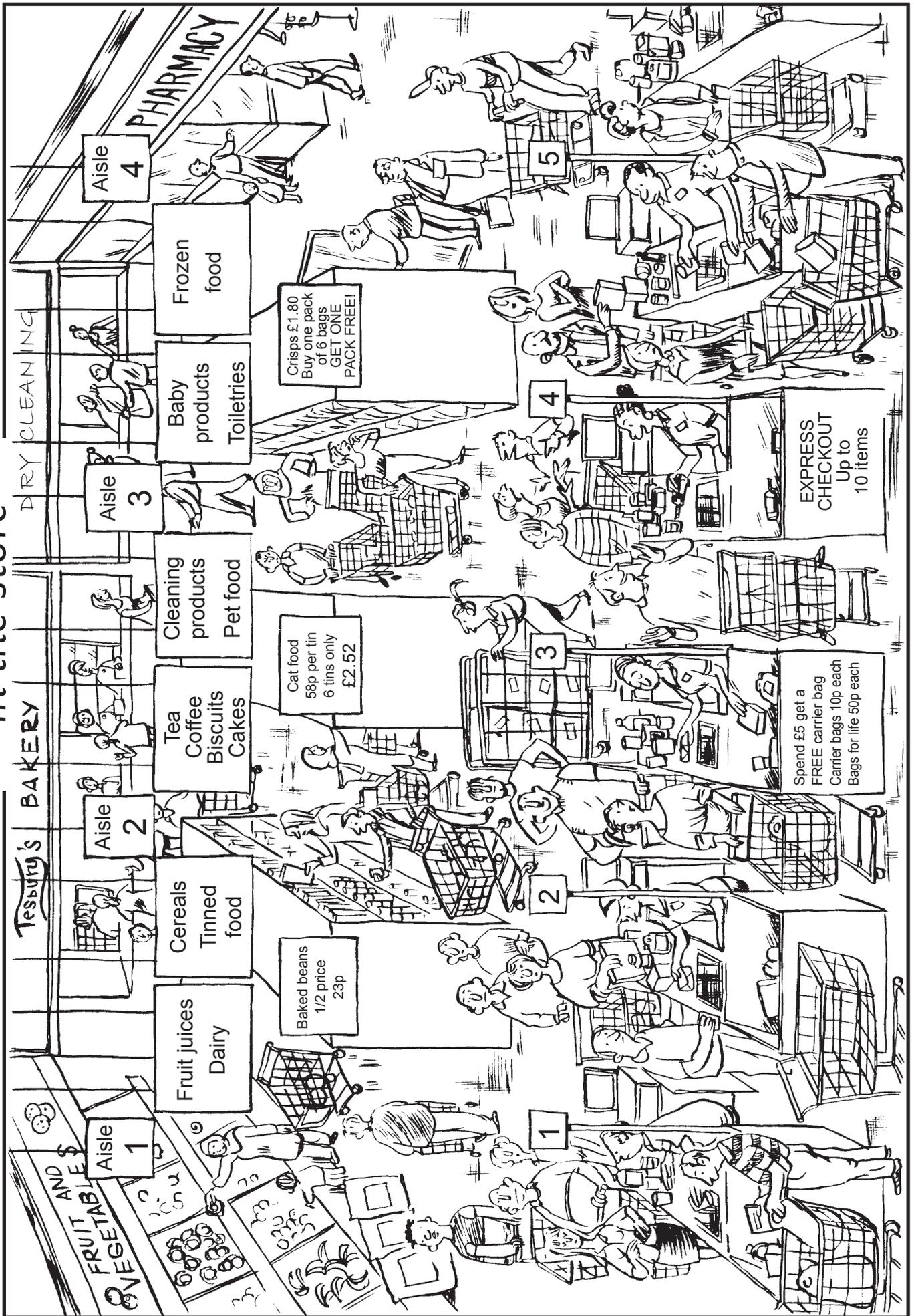
    How many more trolleys can it hold? _____

9.   A recycling collection lorry is due in two hours time.

    What time will it arrive. _____

10. Joe has to empty the litter bins. He takes 3¾ minutes to empty one.

    How long will he take to empty all the bins in the picture? _____

In the store

FRUIT AND VEGETABLES

Tesbury's

BAKERY

DRY CLEANING

PHARMACY

Aisle 1
Fruit juices
Dairy

Aisle 2
Cereals
Tinned food

Tea
Coffee
Biscuits
Cakes

Aisle 3
Cleaning products
Pet food

Baby products
Toiletries

Aisle 4
Frozen food

Baked beans
1/2 price
23p

Cat food
58p per tin
6 tins only
£2.52

Crisps £1.80
Buy one pack
of 6 bags
GET ONE
PACK FREE!

Spend £5 get a
FREE carrier bag
Carrier bags 10p each
Bags for life 50p each

EXPRESS
CHECKOUT
Up to
10 items

1 2 3 4 5

In the store (A)

Look at the picture on page 4.

1. How many tills are there? _____

2. How many shopping aisles are there? _____

3. How many departments can you see along the back wall

   of the supermarket? _____

4. Mum has bought 4 items. Which till should she use? _____

5. How many more items could Mum buy and still use this till? _____

6. Dad buys baby food first, then some biscuits and last of all some oranges.

   Write the aisle numbers in the order he visited them.

   _____   _____   _____

7. How many aisles are there between the pharmacy and fruit juices?

   _____

8. Which department is between the pharmacy and the bakery?

   _____

9. Is the pharmacy to the left or the right of the picture? _____

10. Mrs Swallow buys 4 tins of baked beans.

    How much does she pay? _____

In the store (B)

Look at the picture on page 4.

1. Jack buys the special offer pack of crisps.

   How many bags of crisps does he get altogether? _____

2. With the special offer, what is the cost of a single bag of crisps? _____

3. What would be the cost per bag of crisps without the special offer?

   _____

4. At present, baked beans are half price.

   On Friday they will be sold at their full price.

   How much will a tin of baked beans cost then? _____

5. How much will a dozen tins of baked beans cost on Friday? _____

6. How much will 3 tins of cat food cost? _____

7. What is the price per tin of cat food if you buy the six-tin pack? _____

8. How much will seven bags for life cost? _____

9. How much change will you get from £4.50 if you buy 30 carrier bags?

   _____

10. How many free carrier bags will you get if you spend £50? _____

At the pharmacy

Tesbury's PHARMACY

PRESCRIPTION SERVICE

Prescription charges £6.50 per item

Reading glasses £10.00 per pair

Aspirin £1.35

Own brand aspirin £1.26

Cotton wool £1.50

Vitamins £4.80

Plasters £2.56

Antiseptic cream 95p

Antiseptic liquid £1.35

Eyewash £4.99

Bandages £3.50

Nasal spray £2.80

Cough sweets 38p

Cough mixture £1.30

Suncream £4.35

£12.99

£58.50

£20.00

£25.80

£32.50

£62.00

£42.50

£25.00

£23.00

At the pharmacy (A)

Look at the picture on page 7.

1. How many adults can you see? _____

2. How many children can you see? _____

3. What is the ratio of shop assistants at the prescription service counter

    to the adult customers you can see in the queue? _____

4. How much will one box of plasters and a bottle of eyewash cost?

    _____

5. What would 2 pairs of reading glasses cost? _____

6. How much is the most expensive pair of sunglasses? _____

7. How much are the cheapest sunglasses? _____

8. What is the difference in price between the most expensive

    and the cheapest sunglasses? _____

9. How much will 2 bottles of cough mixture cost? _____

10. If you buy 3 bottles of cough mixture what change

    will you get from £10? _____

At the pharmacy (B)

Look at the picture on page 7.

1. The pharmacist pours 92.5 ml of cough mixture into a bottle that will hold 100 ml. How much more cough mixture can she pour into the bottle to fill it up to the top? _____

2. Mrs Williams has a prescription containing 5 items.

   How much will her prescription cost her? _____

3. Mrs Arnold has a prescription for 3 items. How much change will

   she get from £20 after paying for her prescription charges? _____

4. Mr Jones buys a pair of reading glasses and a packet of plasters.

   How much change will he get from £15? _____

5. What is the difference in price between the branded and own brand packs

   of aspirin? _____

6. Josh buys several items to take on holiday with him. He buys a pair of reading glasses, a tube of suncream and a bottle of eyewash.

   How much does he spend? _____

7. Mum buys a bottle of cough mixture and a packet of cough sweets.

   How much change does she get from £5? _____

8. Six customers each buy a pair of reading glasses which have been reduced

   by 20%. How much will they spend altogether? _____

9. The bags of cotton wool are increased in price by 20%.

   What does each bag cost now? _____

10. Dad buys 2 boxes of plasters, 3 rolls of bandages and 2 tubes

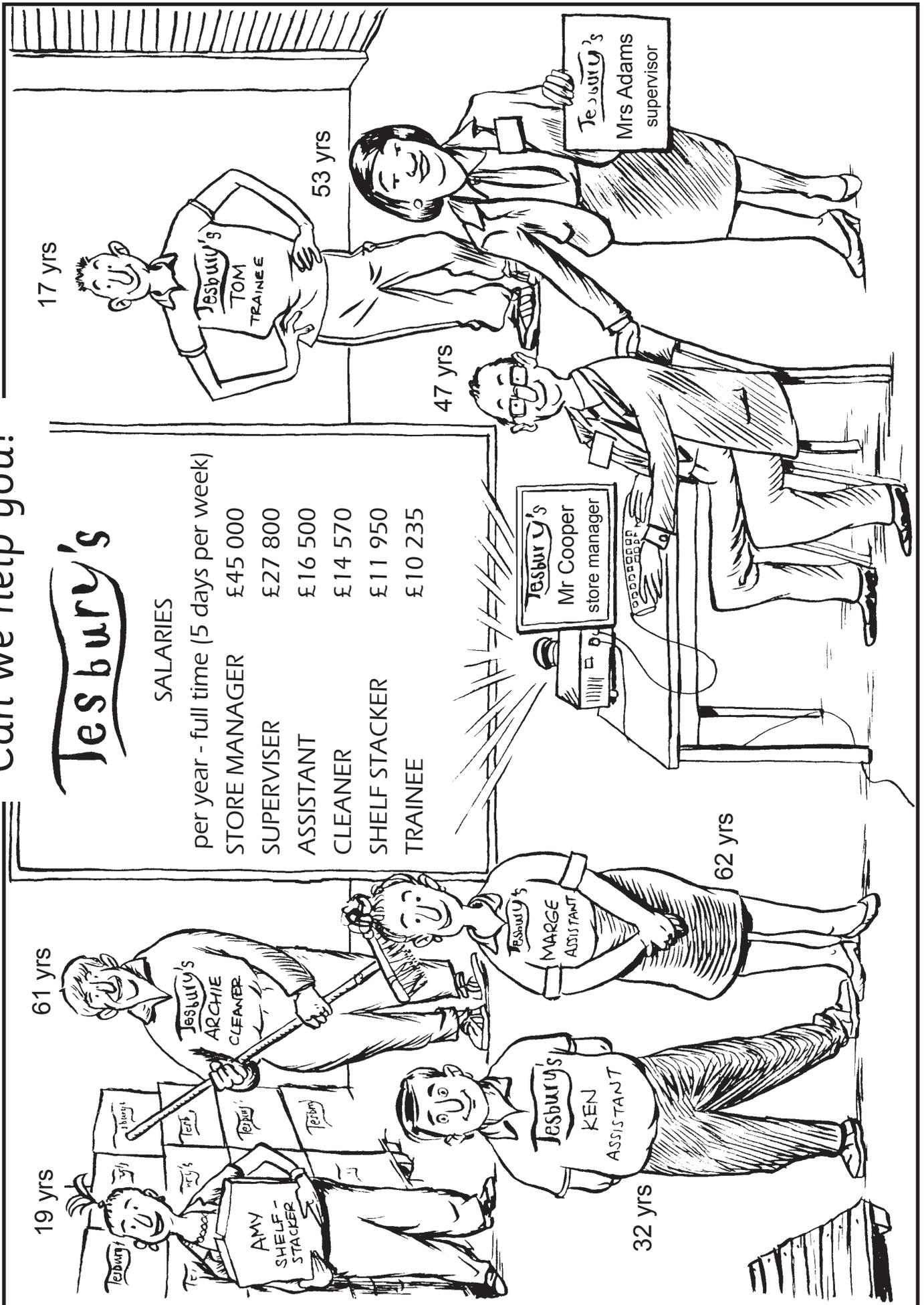   of antiseptic cream. How much does he spend? _____

Can we help you?

Tesbury's

SALARIES

per year - full time (5 days per week)

STORE MANAGER	£45 000
SUPERVISER	£27 800
ASSISTANT	£16 500
CLEANER	£14 570
SHELF STACKER	£11 950
TRAINEE	£10 235

17 yrs — Tesbury's TOM TRAINEE

53 yrs

47 yrs

Mrs Adams supervisor

Mr Cooper store manager

61 yrs — Tesbury's ARCHIE CLEANER

19 yrs — AMY SHELF-STACKER

62 yrs — Tesbury's MARGE ASSISTANT

32 yrs — Tesbury's KEN ASSISTANT

Can we help you? (A)

Look at the picture on page 10.

1. How many members of staff can you see? _____

2. How many assistants can you see? _____

3. Who gets the highest salary? _____

4. Who gets the lowest salary? _____

5. What is the difference in age between the youngest

    and the oldest employees? _____

6. How much older is Mr Cooper than Tom? _____

7. How much younger than Marge is Ken? _____

8. Archie has been working at Tesbury's for 9 years.

    What age was he when he started working there? _____

9. Ken has worked at Tesbury's twice as long as Amy. Ken has worked there

    for 3 years. How long has Amy been at Tesbury's? _____

10. What is the difference between Tom and Amy's salaries? _____

Can we help you? (B)

Look at the picture on page 10.

1. Mr Cooper expects a salary increase of 10%.

    What will his new salary be per year? _____

2. How much will he now earn in half a year? _____

3. Mrs Adams has been a supervisor for two years on the same salary.

    What are her total earnings for this job? _____

4. When Tom has finished his training he will earn the same as Ken and Marge.

    What will be the increase in his salary? _____

5. Amy wants to train as an assistant.

    How much more will she earn as an assistant? _____

6. To sell a bottle of wine, the person at the checkout must be at least
    eighteen years old. Which people are most likely to sell a bottle of wine

    at the checkout? _____

7. Archie works part-time. He works for 2½ days per week.

    How much will he earn per year? _____

8. How much will Amy earn in 3 months? _____

9. One week, Amy works 5 hours overtime. Overtime pay is £8.25 per hour.

    What did she earn in overtime? _____

10. Tom goes travelling abroad for three months, during which time he doesn't

    get paid. How much less will he earn for that year? _____

Supermarket bill

Tesbury's

Baby soap 100g	£0.52
Orange juice 1L	£1.83
Potatoes 2.5 kg	£0.93
Apples 0.59 kg @ 98p/kg	£0.58
Oranges 0.595 kg @ £1.49/kg	£0.89
Tin tomatoes	£0.58
Ti...toes	£0.58
...matoes	£0.58
...sta bows	£1.38
Pasta bows	£1.38
Jam tarts pack 6	£2.40
10 dishcloths	£0.89
Onions 0.33 kg	£0.17
Washing powder	£3.48

Rewards statement

Opening balance	1206
Points earned	321
Total	

OFFERS TODAY
Any loaf
3 for the price of 2

Jesbury's

BARGAIN! £1.70 loaf
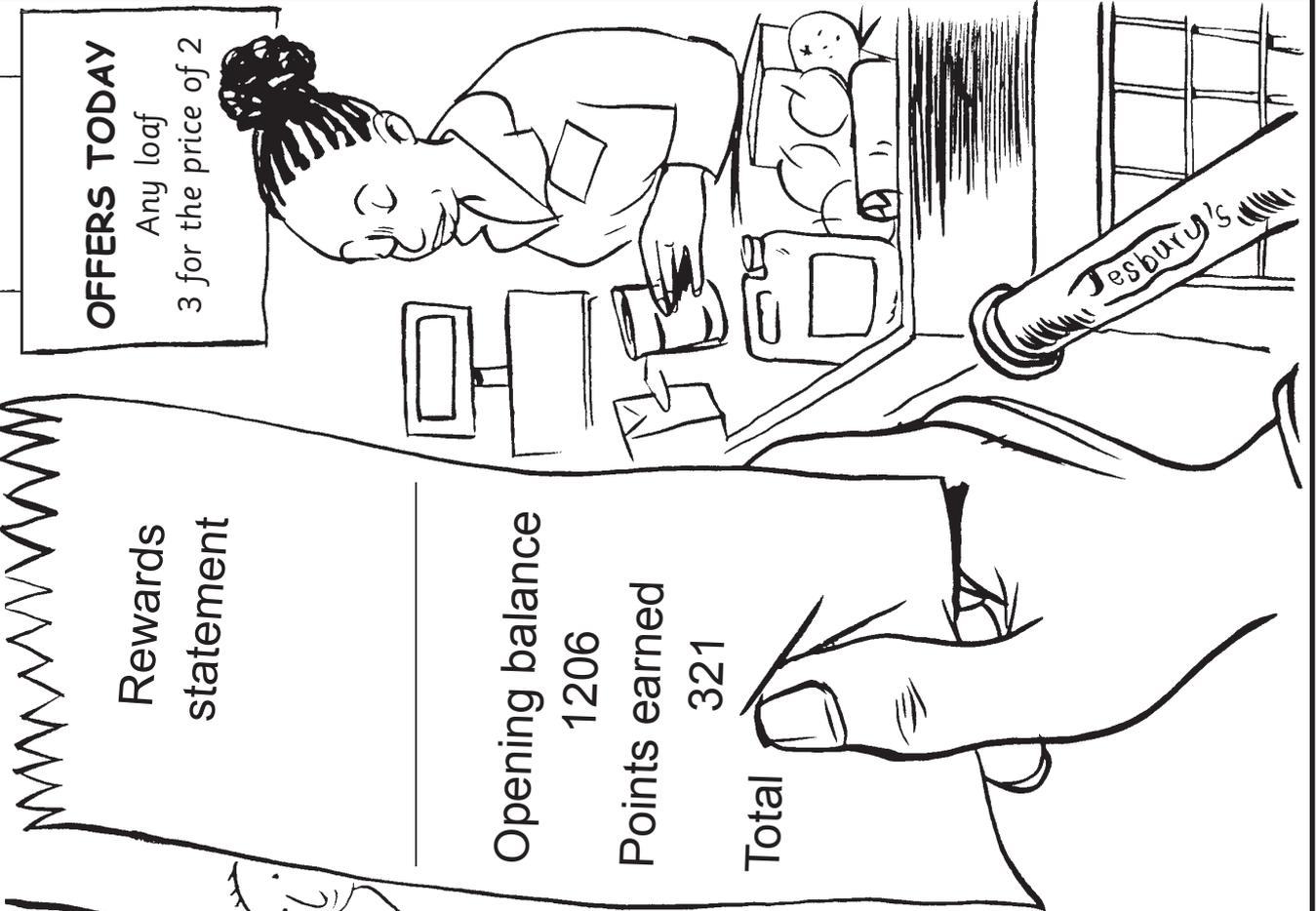
Supermarket bill (A)

Look at the picture on page 13.

1. How many items are on the bill? _____

2. How many items cost less than a pound? _____

3. How many items cost more than a pound? _____

4. How much does the most expensive item cost? _____

5. What does the cheapest item cost? _____

6. How many tins of tomatoes have been bought? _____

    What do they cost in total? _____

7. To the nearest penny, what does one dishcloth cost? _____

8. What do two bags of pasta bows cost? _____

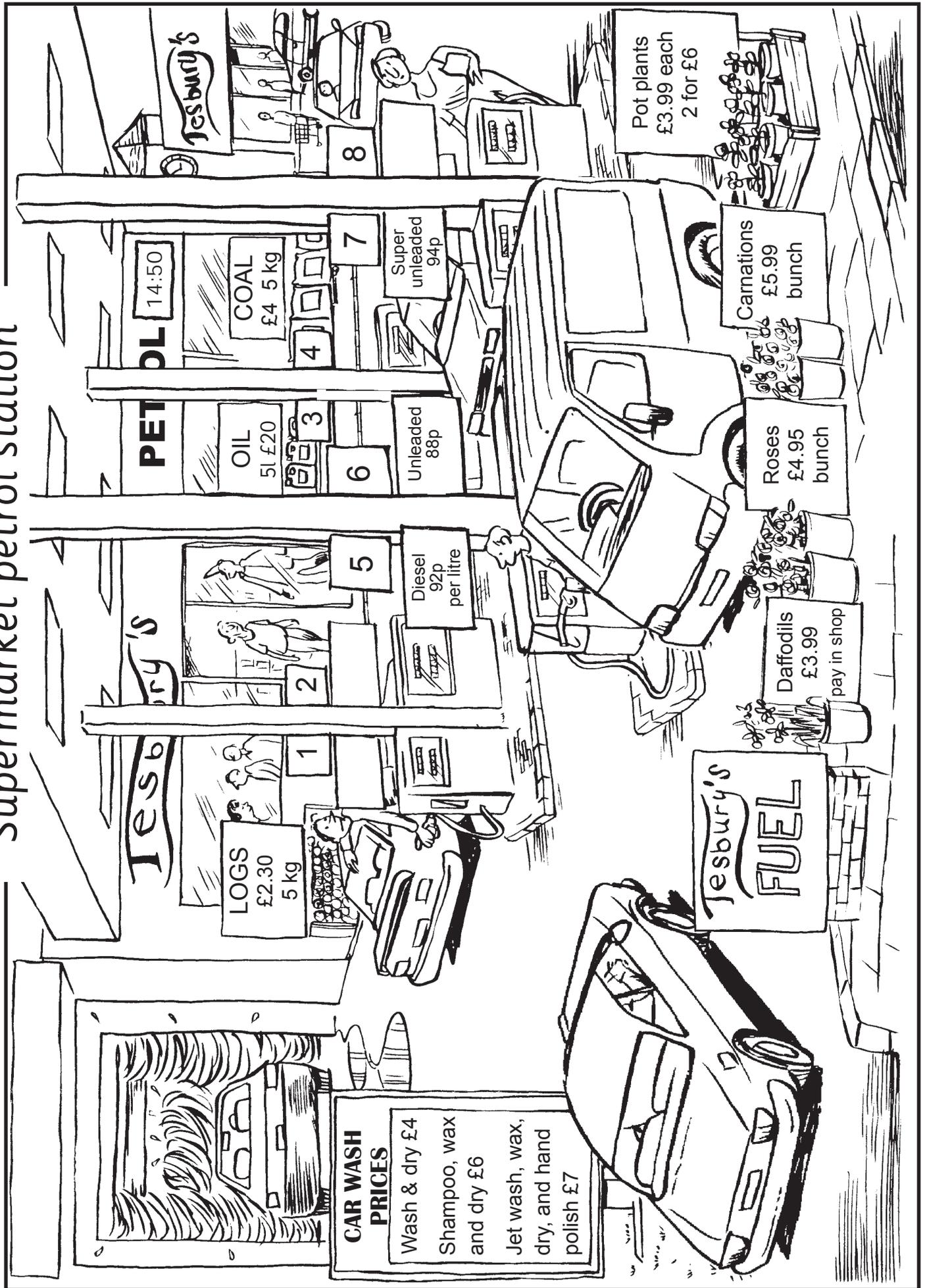9. How much change from £3 would you get if you bought six jam tarts?

    _____

10. What is the cost per jam tart? _____

Supermarket bill (B)

Look at the picture on page 13.

1. Add up all the items on the bill. _____

2. Dad pays the bill with cash. List the fewest number of notes and coins

   he can use to pay it? _____

3. How many reward points does Dad have in total? _____

4. Dad can collect reward vouchers for every 500 points he earns.

   How many vouchers can he collect? _____

5. Each voucher has a cash value of £2.50.

   What is the value of the vouchers he has collected? _____

6. Look at question 3 again. Dad collects his vouchers. How many points

   will be carried over towards the next voucher? _____

7. The tins of tomatoes are put on special offer of 'Buy two - get the

   third half price!' What will three tins of tomatoes cost now? _____

8. Mum needs more potatoes than Dad bought. She sends him to get 2 more

   packs. What total weight of potatoes does Mum have now? _____

9. What change from £10 would you get if you bought 3 bars of baby soap,

   2 tins of tomatoes and a litre of orange juice? _____

10. Mum buys 0.5 kg of apples the following week, but they have gone up in

    price to £1.12/kg. What will she pay for the apples? _____

Supermarket petrol station

PETROL 14:50

OIL 5l £20

COAL £4 5 kg

LOGS £2.30 5 kg

Diesel 92p per litre

Unleaded 88p

Super unleaded 94p

Tesbury's

Tesbury's FUEL

Pot plants £3.99 each 2 for £6

Carnations £5.99 bunch

Roses £4.95 bunch

Daffodils £3.99 pay in shop

CAR WASH PRICES

Wash & dry £4

Shampoo, wax and dry £6

Jet wash, wax, dry, and hand polish £7

1 2 3 4 5 6 7 8

Supermarket petrol station (A)

Look at the picture on page 16.

1. How many petrol pumps can you see? _____

2. How many vehicles can you see? _____

3. What is the price of the most expensive fuel? _____

4. What is the price of the cheapest fuel? _____

5. What is the difference in price between the most expensive

   and the cheapest fuel? _____

6. What is the price per kilo of logs? _____

7. What is the price per kilo of coal? _____

8. What is the price of the most expensive bunch of flowers? _____

9. How many treatments does the car wash offer? _____

10. What is the price per litre of oil? _____

Supermarket petrol station (B)

Look at the picture on page 16.

1. Mr Brown puts 35 litres of unleaded petrol in his car.

    How much must he pay? _____

2. Miss Jones's car has 3 litres of petrol left. She spends £23.50 on super

    unleaded petrol. How much petrol is in her car now? _____

3. Dad buys 30 litres of diesel, a 5 litre can of oil and 2 bags of coal.

    How much does he spend altogether? _____

4. Mrs Owen spends £22 on unleaded petrol.

    How many litres of petrol has she bought? _____

5. Mum buys a bunch of daffodils, a bunch of roses and a bunch of carnations.

    How much change will she get from £15? _____

6. Mr Evans puts his car through the car wash once a month on a wash and

    dry programme. How much does he spend a year? _____

7. What will six pot plants cost? _____

8. The price of the jet wash programme is to be increased by 10% next month.

    What will it cost then? _____

9. Fred has to fill his car with petrol. It will take him six minutes.

    What time will he finish filling his car?

    Write your answer using the 12-hour clock (add am or pm). _____

10. Mum buys the most expensive bunch of flowers and a 5 litre can of oil.

    How much change will she get from £40? _____

Delivery day

DELIVERY YARD OPEN
Mon-Sat 6.30 am - 8.30 am & 8.30 pm - 11.30 pm
Sun   9.00 am - 10.30 am & 5.30 pm - 7.00 pm

To store

Total load capacity 1000 kg

Super Foods

EGGS 24 boxes
EGGS 24 boxes
EGGS 24 boxes
EGGS 24 boxes

Tesbury's Cereal 12 packets sell by 05/08
Tesbury's Cereal 12 packets sell by 05/08
Tesbury's Cereal 12 packets sell by 05/0
Tesbury's Cereal 12 packets sell by 05/0

150 kg 150 kg
150 kg 150 kg
150 kg 150 kg

Baked beans 60 x 400 g
Baked beans 60 x 400 g
Baked beans 60 x 400 g
Baked beans 60 x 400 g
Baked beans 60

Delivery day (A)

Look at the picture on page 19.

1. How many vehicles are in the yard outside? _____

2. How many people can you see? _____

3. How many boxes are on the forklift truck? _____

4. How many packets of cereal are in 9 boxes? _____

5. How many hours is the delivery yard open on a Sunday? _____

6. How many hours is the delivery yard open in a week? _____

7. How many more hours is the yard open on a Tuesday than a Sunday?

    _____

8. How many hours is the yard open in the mornings in a week? _____

9. How many boxes of eggs are in 3 packing boxes? _____

10. How much weight can the forklift truck carry? _____

Delivery day (B)

Look at the picture on page 19.

1. There are 15 deliveries on Wednesday.

   On average, how many deliveries are there per hour? _____

2. How much do two tins of baked beans weigh? _____

3. What does one box of baked beans weigh? _____

4. How many boxes of eggs are there in four packing boxes? _____

5. It is the morning. Which day is it? _____

6. How long has the yard been open this morning? _____

7. How much longer will the yard stay open for deliveries this morning?

   _____

8. It is April 2007. How long will it be before the cereals are out of date?

   _____

9. Fred arrived at work 40 minutes ago.

   What time did he arrive? _____

10. Sid has to lock up the yard when it closes on Saturday night.

    It takes him 22 minutes.

    What time does he leave work on a Saturday? _____

Name: _____

Pupil's record sheet

Page	Heading	Date	Comments
2	In the car park A		
3	In the car park B		
5	In the store A		
6	In the store B		
8	At the pharmacy A		
9	At the pharmacy B		
11	Can we help you? A		
12	Can we help you? B		
14	Supermarket bill A		
15	Supermarket bill B		
17	Supermarket petrol station A		
18	Supermarket petrol station B		
20	Delivery day A		
21	Delivery day B		

Teacher's notes

Heading	Teaching suggestions
In the car park 1 - 3	**Page A**: Use the information in the picture to generate more counting/ counting on practise, eg How many vehicles are there altogether? How many more cars need to park to make 30 cars on the car park? etc **Page B**: Extend the work addressed in question 1 by asking the children to find other car parking fees, eg Mum stays in the car park from 9:00 am until 2 pm How much will parking her car cost her? (Remind the children to deduct two hours worth of free parking before making their calculations).
In the store 4 - 6	**Page A**: Generate more questions about the distances between aisles by moving products, eg If baby products are moved to cereals and tinned food, how many aisles nearer are they to fruit and veg? **Page B**: Extend question 9 by asking the children to work out time sums, eg If it takes 38 seconds to scan 30 items, how long will it take to scan 90 items. Provide other questions for pupils to work out eg how much change will you get from £10 if you buy 9 Bags for Life?
At the pharmacy 7 - 9	**Page A**: Provide the children with other opportunities to work out change, eg How much change will you get from £2 if you buy cotton wool? Encourage the children to work out the answers in their heads. **Page B**: Ask the children to work out other prescription charges eg for 6 items, 8 items and 10 items, on a prescription.
Can we help you? 10 - 12	**Page A**: Ask the children to estimate and then work out what the total salaries bill for all the staff shown in the picture would be per year. Find out which children's estimates were the closest. Explain how to make quick calculations by rounding up/down numbers. **Page B**: Ask the children to work out other salary increases according to percentages that you give them, eg Amy's salary increases by 25%. What is her new salary?
Supermarket bill 13 - 15	**Page A**: Provide the children with actual till receipts from the supermarket. Spend time talking about how the bills are made up and the information they contain. Ask them to locate the name of the store, the date, the time of the transaction and information about reward points. **Page B**: Use the same bills as suggested above. Ask the children to find the totals of the first 6 items; the last three items; the four most expensive items; the five cheapest etc.
Supermarket petrol station 16 - 18	**Page A**: Ask the children to work out costs of different amounts of flowers, eg How much would 5 bunches of the cheapest flowers cost? How much would ten bunches of the most expensive flowers cost? **Page B**: Ask the children to work out other petrol costs that you give them, eg 12 litres of unleaded; 27 litres of diesel and so on.
Delivery day 19 - 21	**Page A**: Alter the yard opening times to create different time sums, eg Mon – Fri- open from 6 am to 12: 20 pm How many hours is the yard open a day? /5 days?/10 days? **Page B**: Use question 2 as a model for further practice of this type of calculation. How much do 7 tins weigh?

Living Maths   At the supermarket answers

In the carpark (A)

1. 5   2. 5   3. 10   4. 11.15 am   5. 4   6. 4   7. 120   8. 480   9. cube   10. 5

In the carpark (B)

1. £3   2. 709   3. 2836   4. 2 h   5. $13\frac{1}{2}$ h   6. $59\frac{1}{2}$ h
7. 60   8. 30   9. 1:15 pm   10. 18¾ min

In the store (A)

1. 6   2. 4   3. 2   4. 4   5. 6   6. 3, 2, 1   7. 3   8. Dry cleaning   9. right   10. 92p

In the store (B)

1. 12   2. 15p   3. 30p   4. 46p   5. £5.52   6. £1.74   7. 42p   8. £3.50   9. £1.50   10. 10

At the pharmacy (A)

1. 10   2. 3   3. 2:5   4. £7.55   5. £20   6. £62   7. £12.99   8. £49.01   9. £2.60   10. £6.10

At the pharmacy (B)

1. 7.5 ml   2. £32.50   3. 50p or £0.50   4. £2.44   5. 9p   6. £19.34   7. £3.32
8. £48   9. £1.80   10. £17.52

Can we help you? (A)

1. 7   2. 2   3. store manager   4. trainee   5. 45 years
6. 30 years   7. 30 years   8. 52 years   9. 18 months or $1\frac{1}{2}$ years   10. £1715

Can we help you? (B)

1. £49 500   2. £24 750   3. £55 600   4. £6265   5. £4550
6. Ken, Marge, Mrs Adams   7. £7285   8. £2987.50   9. £41.25   10. £2558.75

Supermarket bill (A)

1. 14   2. 9   3. 5   4. £3.48   5. 17p   6. 3; £1.74   7. 9p   8. £2.76   9. 60p   10. 40p

Supermarket bill (B)

1. £16.19   2. £10, £5 (notes); £1, 10p, 5p, 2p, 2p (coins)   3. 1527   4. 3   5. £7.50   6. 27
7. £1.45   8. 7.5 kg   9. £5.45   10. 56p

Supermarket petrol station (A)

1. 8   2. 7   3. 94p   4. 88p   5. 6p   6. 46p   7. 80p   8. £5.99   9. 3   10. £4

Supermarket petrol station (B)

1. £30.80   2. 28 litres   3. £55.60   4. 25 litres   5. 7p   6. £48   7. £18
8. £7.70   9. 2.56 pm   10. £14.01

Delivery day (A)

1. 4   2. 10   3. 6   4. 108   5. 3 h   6. 33 h   7. 2 h   8. 13.5 h   9. 72 boxes   10. 1000 kg

Delivery day (B)

1. 3 deliveries   2. 800 g   3. 24 kg   4. 96 boxes   5. Sunday   6. 1 h 20 min   7. 10 min
8. 1 year 1 month   9. 9.40 am   10. 11:52 pm or 23:52

Living Maths

Book 5
At the supermarket

Sue Graves
Illustrated by Peter Rigg

Contents

Living Maths

About the series

Living Maths is a series of six books of photocopiable worksheets designed for pupils at Key Stage 2 and into the early terms of Key Stage 3, who need additional support to use maths successfully in every day tasks and situations.

The books aim to develop an understanding of maths language and basic skills, each one focusing on a different every day situation and providing practice of the relevant mathematical skills needed.

Each book contains 7 units presented over three pages. The first page provides a detailed picture. Page 2 provides simple maths questions based mainly on observation of the picture. Page 3 provides more complex problems involving a wider range of mathematical skill, including extension exercises.

The books also contain a pupil record sheet for the teacher to record comments on the pupil's achievements.

Book 1:   At home

Book 2:   At the theme park

Book 3:   In town

Book 4:   On holiday

Book 5:   At the supermarket

Book 6:   At school