# Level 3

# WORD
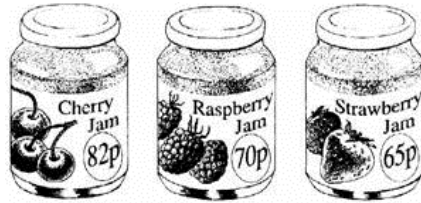
# [WORD PROBLEMS]

This is practice for the Key Stage Two SATs. These are word problems.

**Q1.**     Emma buys these three jars of jam.



What is the **total** cost of the **three jars**?

1 mark

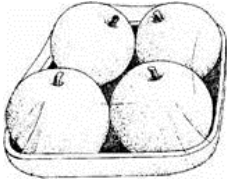Jack buys one jar of cherry jam for 82p.



He pays with a **£5** note.

How much **change** does he get?

Show your **working**.
You may get a mark

2 marks

**Q2.**    Apples are sold in packets of **4** at the supermarket.



How many apples are in **72** packs?

1 mark

**Q3.**    Roger picked **75** plums from his aunt's plum tree.

He gave **25** plums to his aunt, and kept the rest.

How many plums did Roger keep?

1 mark

**Q4.**



102 People came to the sale and paid 15p each to go in.

(a)    How much money was collected at the entrance?
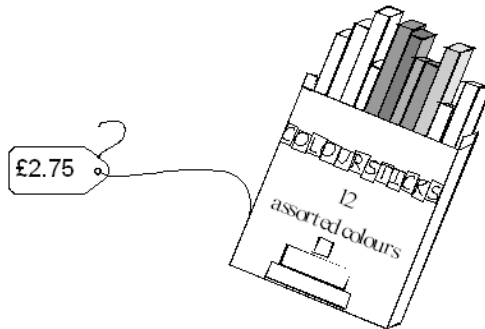
1 mark

Each car had to pay £7 to be at the sale.



The school collected £399 from the cars.

(b)    How many cars were there?

1 mark

**Q5.**    Pam has £1.37



She wants to buy a box of crayons which cost £2.75.

How much **more** money does she need?

£ [            ]

1 mark

**Q6.**



(a)    How much will it cost for **2 adults** and **3 children** to go to the cinema?

You **must** show your working.

£

2 marks

(b)   Grandma buys three drinks and spends **£2.70**

She pays with **50p** and **20p** coins.

How many of each coin does she need?

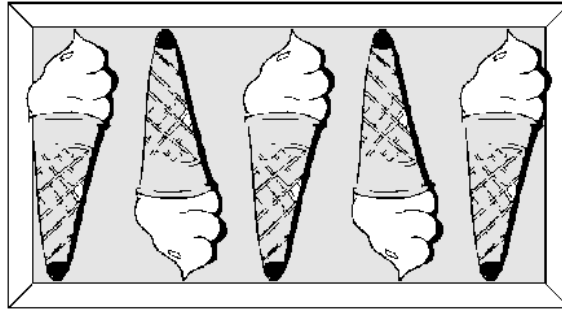| 50p coins | 20p coins |
|-----------|-----------|

1 mark

(c)   A film lasts for 1 hour and 30 minutes and is shown twice.

Complete the timetable for showing the film

| Starts | Ends |
|--------|------|
| 1:10 | 2:40 |
| 4:40 | |

1 mark

**Q7.**      There are 5 ice-creams in a box.

Alex buys 7 boxes of ice-creams.
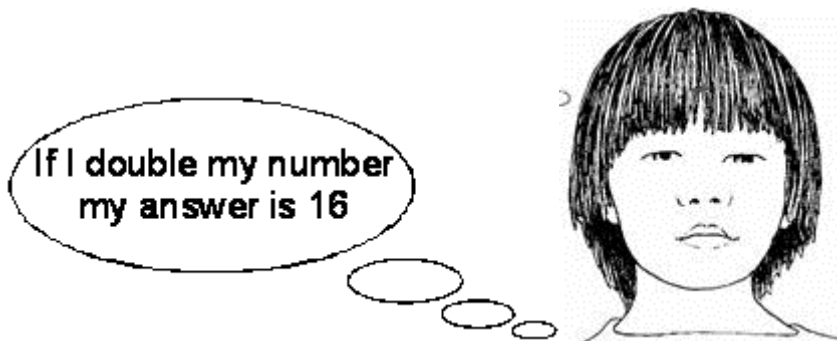
How many ice-creams does she buy altogether?

1 mark

**Q8.** Jan is 9 years old.
Her mother is 31 years old.
How many years older is Jan's mother?

Circle which of these you could use to work out the answer.
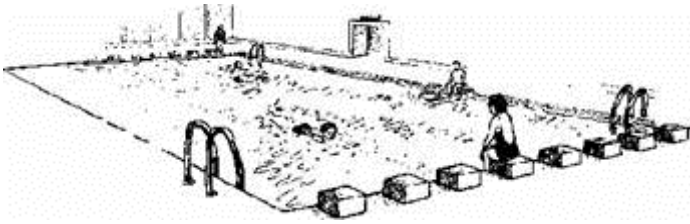
$$40 - 31 \qquad 31 + 9 \qquad 31 \times 9$$

$$31 - 9 \qquad 40 - 9$$

1 mark

**Q9.** Karen is thinking of a number.



If I double my number my answer is 16

What number is Karen thinking of?

1 mark

**Q10.**       **One length** of a swimming pool is **25 metres**.



How many **lengths** are there in a **150 metre** race?

1 mark

Six children swim a 50 metre race.

| Lane | Name | Time in Seconds |
|------|------|-----------------|
| 1 | Bryn | 92.4 |
| 2 | Craig | 86.3 |
| 3 | Fiona | 90.4 |
| 4 | Harun | 85.1 |
| 5 | Jody | 84.7 |
| 6 | Dean | 89.2 |

Who finished **first**?

.............................................
1 mark

How many seconds faster was **Dean** than **Fiona**?

seconds

1 mark

**Q11.**       There are 219 boys and 187 girls in a school.

What is the total number of children?

1 mark

**Q12.** There are 22 people on the bus.



    (a) At the bus stop, 8 people get off and 5 get on.
       How many are on the bus now?

                                               1 mark

    (b) 28 people can sit in the bus.
       Two people can sit on each seat.
       How many seats are there?

                                               1 mark

**Q13.** Becky has finished reading the ninth page of her book.

There are 32 pages in her book.
How many more pages has she left to read?

                                             1 mark

**Q14.** A shop sells flowers.



| Daffodils | Roses |
|---|---|
| 99p for a bunch | 40p each |

John buys 3 bunches of daffodils.

How much does he pay altogether?

1 mark

Karpal has **£4.00** to spend on **roses**.

How many **roses** can she buy for **£4.00**?

1 mark

**Q15.**    Rob has some number cards.



He holds up a card.

He says,

*'If I multiply the number on this card by 5, the answer is 35'.*

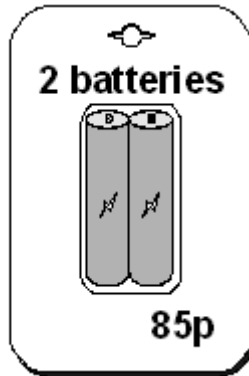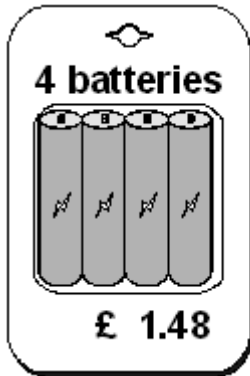What is the number on the card?

1 mark

He holds up a different card.

He says,

*'If I divide the number on this card by 6, the answer is 4'.*

What is the number on the card?

1 mark

**Q16.**        A shop sells batteries in **packs of four** and **packs of two.**

4 batteries

£ 1.48

2 batteries

85p

Simon and Nick want two batteries each.
They buy a **pack of four** and share the cost equally.

How much does each pay?

Show your **working**. You may get a mark

£

2 marks

Mary buys **2 packs of two** batteries.

Hamid buys **1 pack of four**.

How much **more** does Mary pay than Hamid?

Show your **working**.
You may get a mark

£

2 marks

**Q17.**

| Boat Hire | |
|---|---|
| **Motor boats**<br><br>£1.50 for 15 minutes | **Rowing boats**<br><br>£2.50 for 1 hour |

How much does it cost to hire a **rowing boat** for three hours?

1 mark

Sasha pays **£3.00** to hire a **motor boat**.

She goes out at **3:20 pm**.

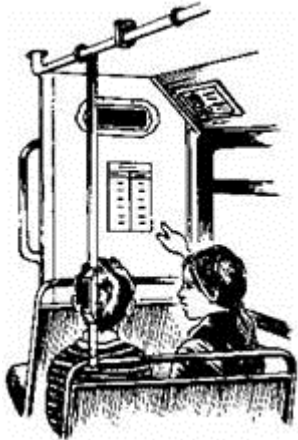By what time must she **return**?

1 mark          **pm**

**Q18.**   This table shows the increase in bus fares.

| Bus Fares | | |
|---|---|---|
| **old fare** | **new fare** | |
| 42p | 48p | |
| 52p | 57p | |
| 60p | 72p | |
| 75p | 85p | |
| 90p | £1.05 | |
| £1.20 | £1.28 | |

Sohan's **new** bus fare is **72p**.

How much has his bus fare gone up?

p

1 mark

Millie says,

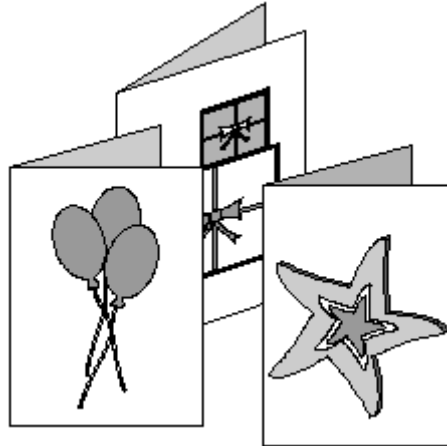   *'My bus fare has gone up by 10p'.*

How much is Millie's new bus fare?

1 mark

**Q19.**   A shop sells greetings cards.

Each card has a price code on it.

These are the codes.

| code | price |
|------|-------|
| AA | 75p |
| BB | £1.15 |
| CC | £1.55 |
| DD | £1.70 |
| EE | £1.99 |

Tina buys two cards.

One card has code **AA** on it.
The other card has code **DD** on it.

How much does Tina pay?

£

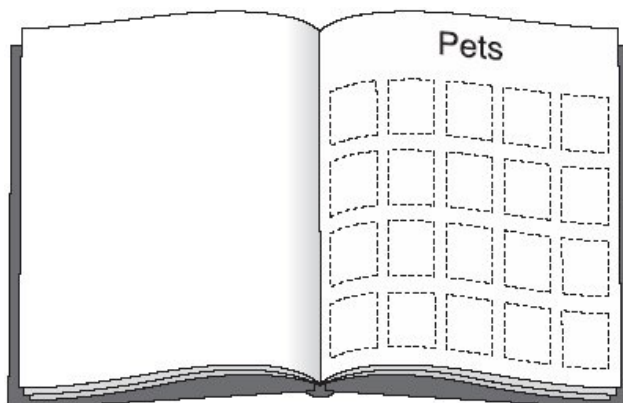1 mark

Omar buys a card. He pays with a £2 coin.

He gets 45p change.

What is the **code** on his card?

.............................

1 mark

**Q20.** Meg has 20 pet stickers to go on this page.

Pets

$\frac{1}{4}$ of them are dog stickers.
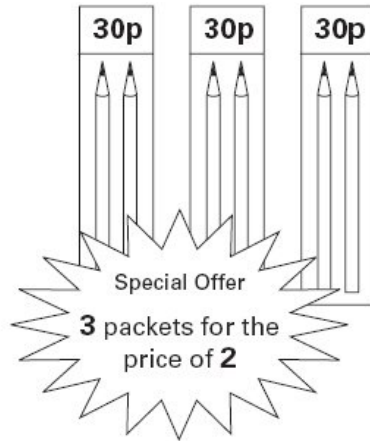
$\frac{1}{2}$ of them are cat stickers.

The rest are rabbit stickers.

How many rabbit stickers does she have?

| stickers |
|---|

1 mark

**Q21.**     A shop has these special offers.



Special Offer
Was **80p**
Now **Half Price**

30p   30p   30p

Special Offer
**3** packets for the
price of **2**

Joe wants to buy 6 pencils.

Which is the cheaper offer?
Tick (✔) one box.

Half price ☐     3 for 2 ☐

Explain how you know.

................................................................................................................

................................................................................................................

................................................................................................................
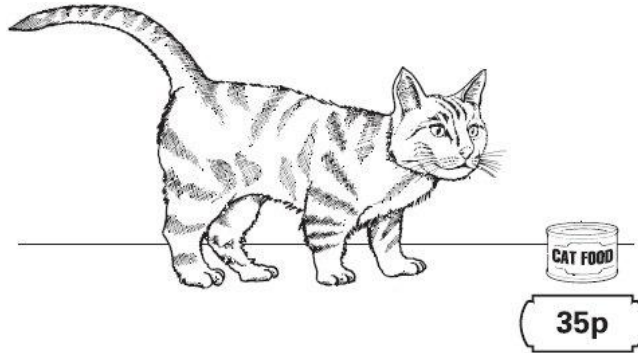
1 mark

**Q22.**        Sarah's cat eats one tin of this cat food each day.

CAT FOOD
35p

How much does it cost to feed Sarah's cat for **7** days?

Show
your **working**.
You may get
a mark

£

2 marks

**Q23.**        Zinzi has a rod **15** cubes long.

She breaks it into two pieces.

One piece is **1** cube longer than the other.

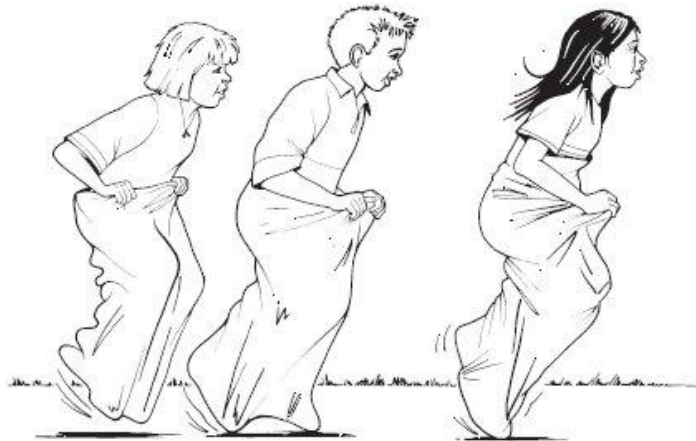How many cubes are in **each** piece?

| **cubes** | and | **cubes** |
|---|---|---|

1 mark

**Q24.**      Chen has **£9.10.**   He wants to buy a game which costs **£11.50**

How much **more** does he need to save?

£ [          ]

<div align="right">1 mark</div>

**Q25.**



The Fun Day started at this time in the morning.



It finished at this time in the afternoon.



How long did the Fun Day last?

[          **hours          minutes**          ]

<div align="right">1 mark</div>

**Q26.** Ben saved **twenty-four** 10p coins and **ten** 20p coins.

How much money has Ben saved?

Show your **working**. You may get a mark

£

2 marks

**Q27.** **60 children** visit the zoo.

They each vote for their favourite big cat.

| favourite big cat | | number of children |
|---|---|---|
| cheetah | | 7 |
| lion | | 22 |
| tiger | | 13 |
| panther | | |
| leopard | | 10 |
| **total** | | **60** |

Complete the table.

Now look at each sentence below.

Put a tick (✔) if it is **true**.
Put a cross (✗) if it is **not true**.

Nine more children voted for the lion than for the leopard.

☐

The lion was more popular than the tiger.

☐

$\frac{1}{4}$ of the children voted for the tiger.

☐

2 marks

**Q28.**      There are **5 balloons** in a **packet**.

There are **18 packets** in a **box.**

How many balloons are there altogether in a **box?**

☐

1 mark

There are 5 balloons in a packet.

Kofi needs **65 balloons**.

How many **packets** does he need?

☐

1 mark

**Q29.**



Tom and Nadia have 16 cards each.

Tom gives Nadia 12 of his cards.

How many cards do Tom and Nadia each have now?

**Tom** [ ]   **Nadia** [ ]

1 mark

Lucy also has 16 cards.

She gives a quarter of her cards to Kiran.

How many cards does Lucy give to Kiran? [ ]

1 mark

**Q30.**    Each of these bags contains **£1.60**

Each bag contains only one type of coin.



Complete this table to show how many coins are in each bag.

One has been done for you.

| Type of coin | Number of coins |
|---|---|
| 1p | 160 |
| 10p | |
| 20p | |

1 mark

**Q31.** Cinema tickets cost **£3.65** each.

Hannah buys **4 tickets**.



How much does Hannah pay?

£ [            ]

1 mark



popcorn
£1.95

milkshake
£1.25

Nico buys a box of popcorn and two milkshakes.

How much does Nico spend **altogether**?

Show your **working**. You may get a mark →

£

2 marks

**Q32.**

Alan has **45 beans**.

He plants **3 beans** in each of his pots.

How many pots does he need?

pots

1 mark

Leila puts **4 seeds** in each of her pots.

She uses **6 pots** and has **1 seed** left over.

How many seeds did she start with?

1 mark

**Q33.**     These are the prices of coconuts and bananas.

coconuts
78p each

bananas
£1.20 for 1kg

Josh buys **one coconut** and **half a kilogram** of **bananas**.
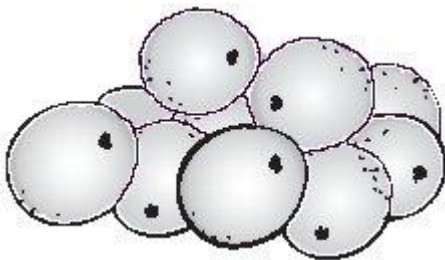
How much does he spend altogether?

Show your **working**.
You may get a mark

£

2 marks

Oranges cost **25p** each.

How many oranges can Josh buy for **£1.50**?

1 mark

**Q34.**     A shop sells candles.

plain candles
35p each

star candles
60p each

stripe candles
85p each

Sapna buys **4** star candles and **2** stripe candles.

How much does she pay **altogether**?

Show your **working**.
You may get a mark

2 marks

**Special offer**
Buy 10 candles and get 50p off.

Josh buys **10** plain candles in the special offer.

How much does he pay for the 10 candles?

£

1 mark