

**Q1.**

Adam wants to use a mental method to calculate  $182 - 97$

He starts from 182

Here are some methods that Adam could use.

Tick the methods that are **correct**.

add 3 then subtract 90

subtract 100 then add 3

subtract 7 then subtract 90

subtract 3 then subtract 100

2 marks

**Q2.**

Josh thinks of a number.



He adds 4

He multiplies his result by 3

Then he takes away 9

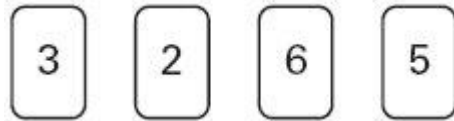
His final answer is 90

What number did Josh start with?

1 mark

**Q3.**

Here are four digit cards.



Write in **three** of the digits to make **the total nearest to 1000**

$$650 + \boxed{\phantom{000}} =$$

1 mark

**Q4.**

Complete the number sentences.

$$555,000 - \boxed{\phantom{00000}} = 540,000$$

1 mark

$$\boxed{\phantom{000000}} - 78,000 = 23,000$$

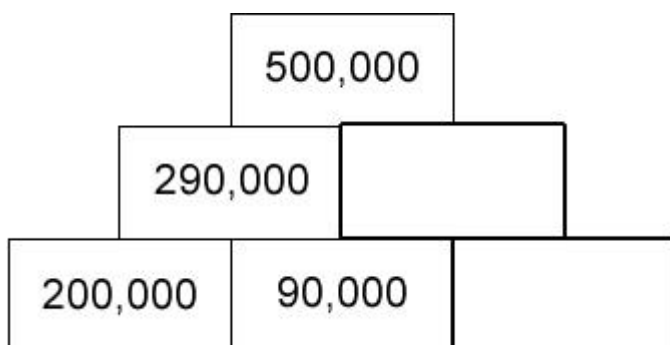
1 mark

**Q5.**

Here is a number pyramid.

The number in a box is the **sum** of the two numbers below it.

Write the missing numbers.



1 mark

**Q6.**

This table shows the number of people living in various towns in England.

Town	Population
Bedford	82,448
Carlton	48,493
Dover	34,087
Formby	24,478
Telford	166,640

What is the **total** of the numbers of people living in Formby and in Telford?

1 mark

What is the **difference** between the numbers of people living in Bedford and in Dover?

1 mark

**Q7.**

Write the four missing digits to make this **addition** correct.

$$\begin{array}{r}
 \boxed{\phantom{0}} \boxed{6} \boxed{\phantom{0}} \boxed{8} \\
 + \boxed{3} \boxed{\phantom{0}} \boxed{9} \boxed{\phantom{0}} \\
 \hline
 \boxed{9} \boxed{0} \boxed{1} \boxed{9}
 \end{array}$$

2 marks

**Q8.**

14,890 festival tickets were sold before the event.  
 Another 6,752 were sold on the day.  
 546 people did not arrive at the festival.

How many people were at the festival altogether?

Show your method	
people	

2 marks

**Q9.**

Megan has 7 coins that make one pound.  
 The coins are of **only two** different kinds.  
 What are the 7 coins?

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1 mark

**Q10.**

Estimate the answer to this calculation.

$$23,901 - 5,097$$

Circle the correct estimate.

- |        |        |        |  |
|--------|--------|--------|--|
| 6,000  | 17,000 | 18,000 |  |
| 19,000 | 20,000 |        |  |