

Name _____ Date _____

2012 Year 3 Optional SATs Test

Mathematics

Paper A for assessing at levels 2 to 3

1. Calculate $34 + 15$

1 mark

2. One of these numbers does not belong in this set.
Cross (x) out the number that does not belong.

Even Numbers

22

16

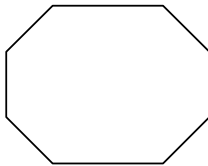
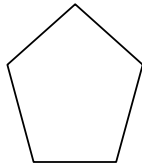
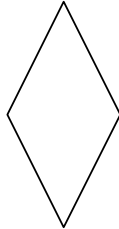
13

8

10

1 mark

3. Match each shape to its name.
One is done for you.



diamond

octagon

rectangle

pentagon

1 mark

4. Some children share 15 marbles .



Each child gets 5 marbles. How many children are there?

1 mark

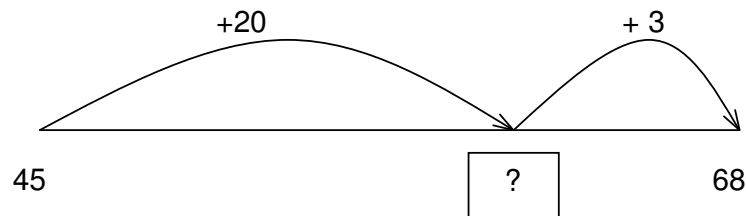
5. Emma wants to buy a packet of mints.
She gives the shopkeeper 36 pence
The shopkeeper says, 'You need 14 pence more to buy the mints.'
How much do the mints cost?

1 mark

6. Calculate $48 - 26$

1 mark

7. Thomas drew a number line to help him find the answer to $45 + 23$.

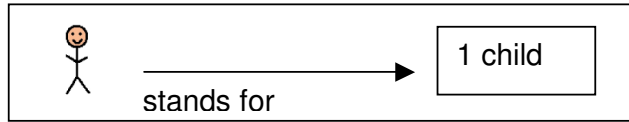


What number is hidden under the card?

1 mark

8. Some children in Class 3 are in clubs.

The table shows the club they are in.



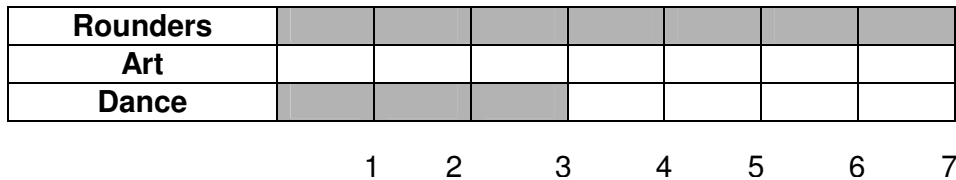
Club	Number of children
Rounders	
Art	
Dance	

How many more children go to rounders than dance?

The graph should show the same data as the table.

Shade in the correct number of blocks for the art club.

The club we are in



2 marks

9. Two of these numbers round to 60.

Circle the two numbers.

54

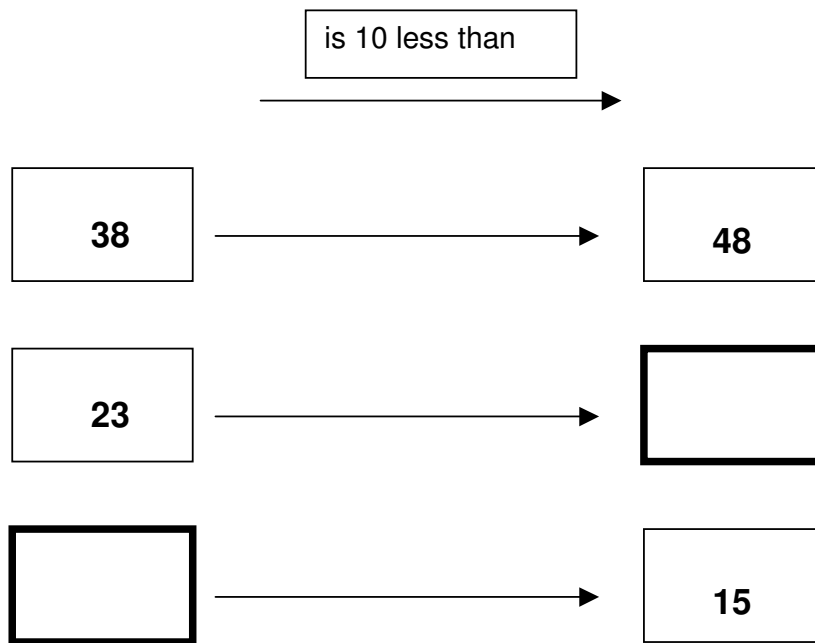
62

57

65

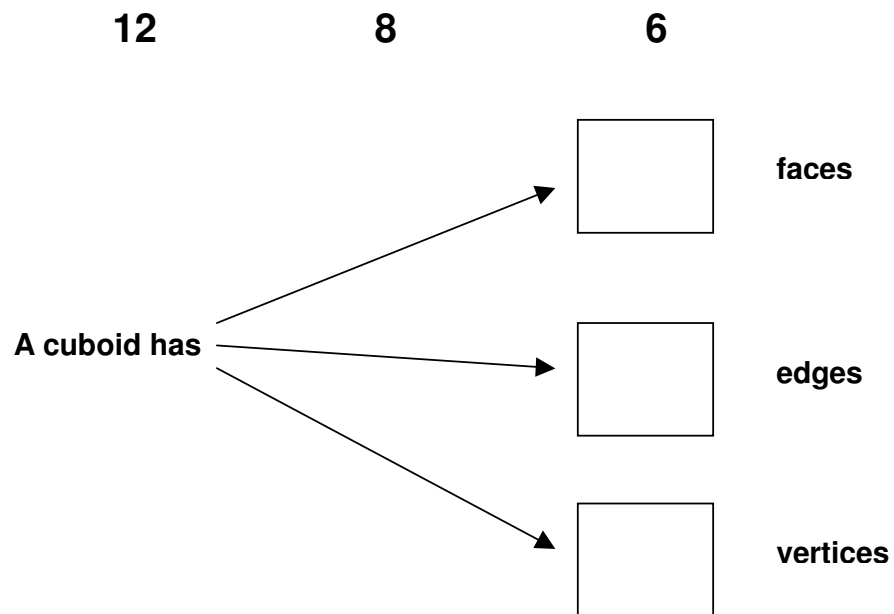
1 mark

10. Write the missing numbers in the empty boxes.



2 marks

11. Write the correct number in each box.



1 mark

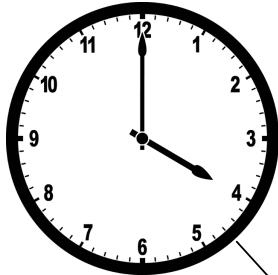
12. Write in the missing digits.

$$\begin{array}{|c|} \hline 6 \\ \hline \end{array}
 +
 \begin{array}{|c|} \hline \\ \hline \end{array}
 =
 \begin{array}{|c|c|c|} \hline 1 & 0 & 0 \\ \hline \end{array}$$

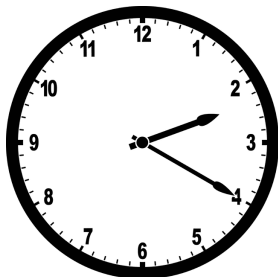
1 mark

13. Match the clocks to the correct time.

One has been done for you.



2.20



11.45



4.00



6.30

1 mark

14. Harry and Bert are counting their toy cars.

Harry has 50 cars.

Bert has 19 cars.

How many more cars does Harry have than Bert?

1 mark

15. Write these numbers in order

230 203 233 223 260

smallest

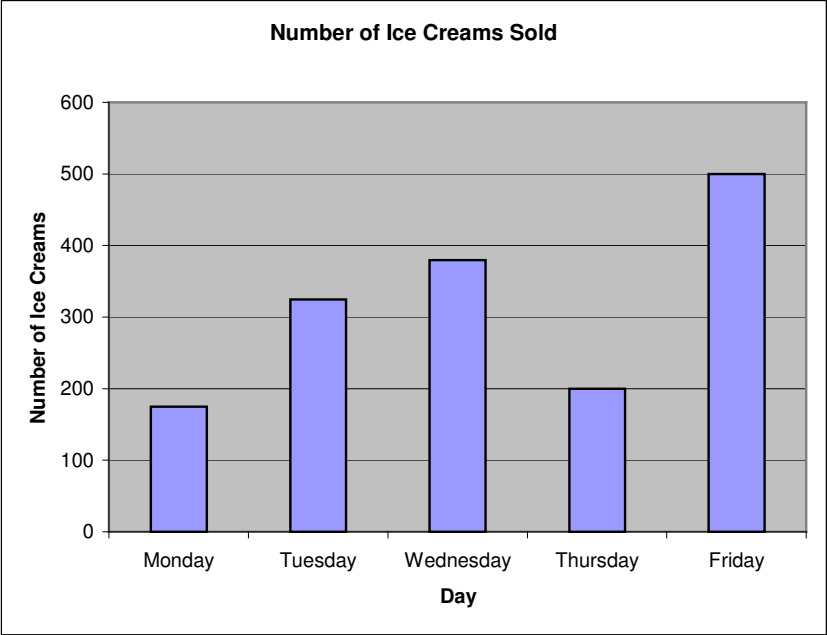
largest

1 mark

16. Calculate 23×3

1 mark

17. This graph shows the number of ice creams sold from Monday to Friday.



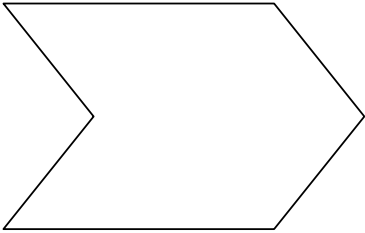
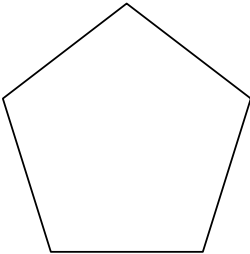
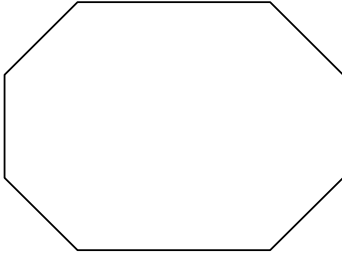
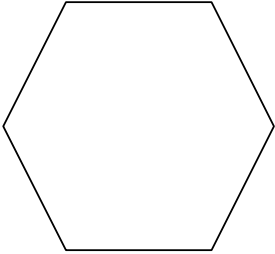
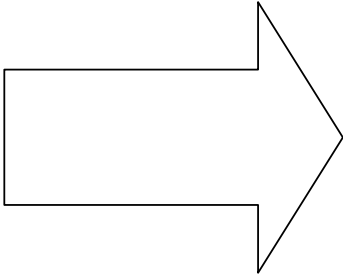
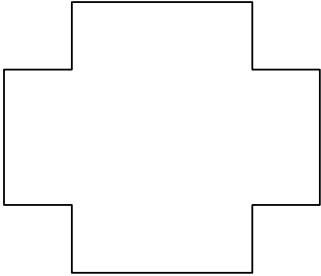
On which days were between 300 and 400 ice creams sold?

_____ and _____

1 mark

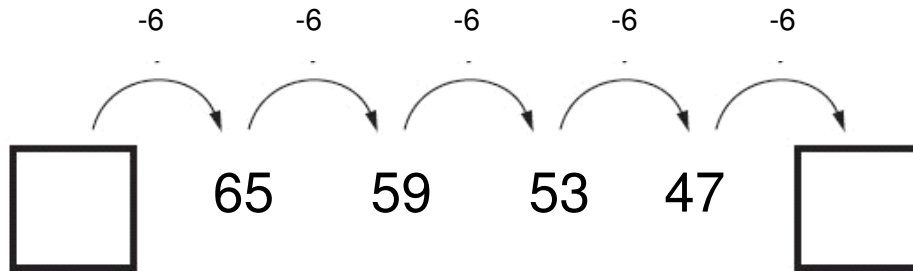
18. Here are some shapes.

Two of them are hexagons. Put a tick on the hexagons.



1 mark

19. Write the two missing numbers in this sequence.



1 mark

20. Jack has a jar half full of sweets. There are 85 sweets.



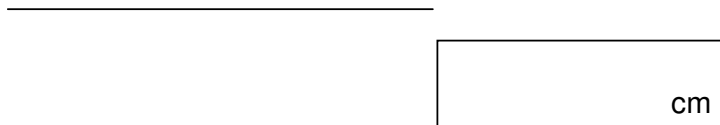
Estimate how many sweets Jack will have when the jar is full.

Circle the best estimate.

- 85 105 175 205 305

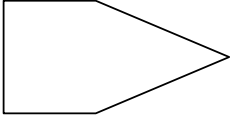
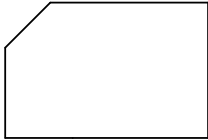
1 mark

21. Measure the line. Use a ruler.



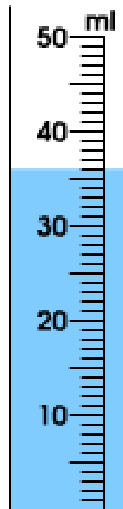
1 mark

22. Complete the table.

Shape	Number of right angles
	<p>.....</p>
	<p>.....</p>

1 mark

23. Here is a measuring cylinder.



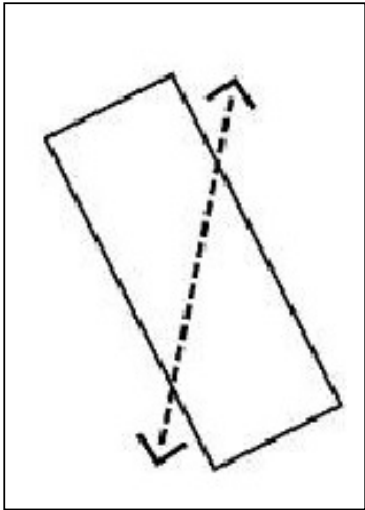
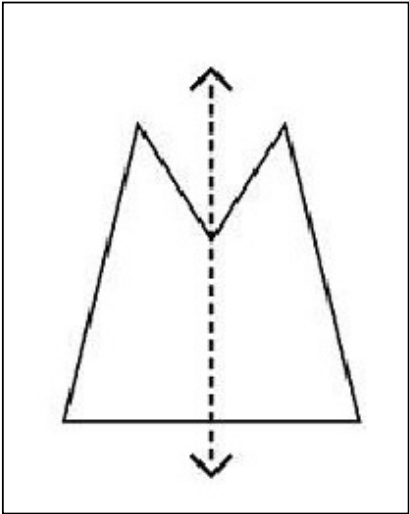
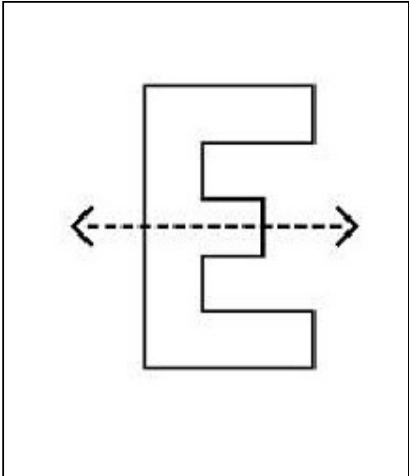
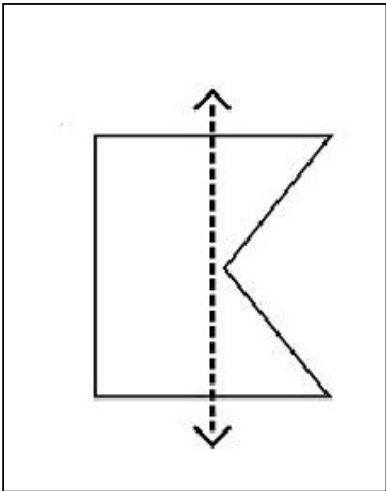
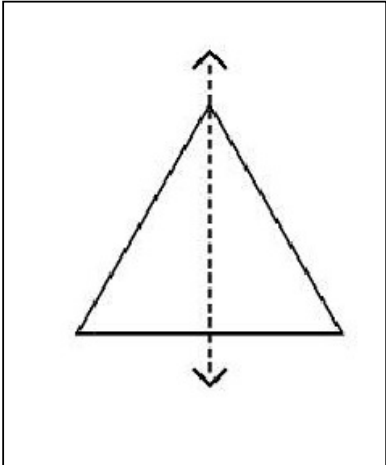
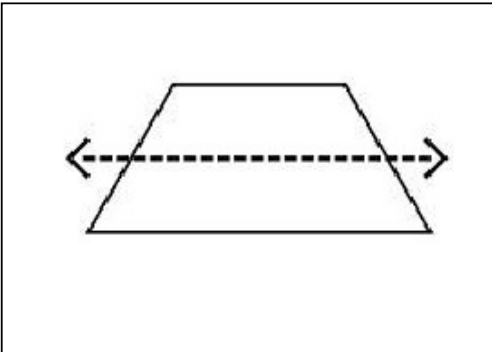
How much water is in it?

_____ ml

1 mark

24. Is the dotted line on each shape a line of symmetry?

Write yes or no on each shape.



1 mark

25. Emily has these digit cards.

5

1

8

She makes different 2-digit numbers with them.

Write all the two digit numbers she can make.

2 marks

26. 80 children voted for their favourite flavour crisps.

Favourite flavour crisps	Number of children
Cheese and Onion	18
Salt and Vinegar	17
Prawn Cocktail	
Beef	12
Ready Salted	20
Total	80

Complete the table.

Now look at each sentence below.

Put a tick if it is true.

Put a cross if it is not true.

Six more children voted for the Salt and Vinegar than for Beef.

Ready Salted crisps were more popular than Cheese and Onion.

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

2 marks

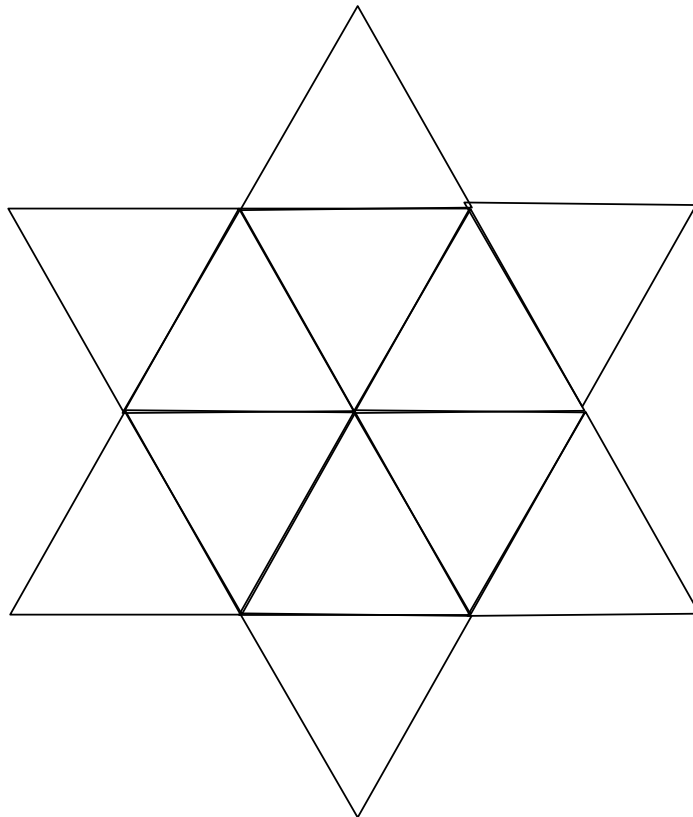
**27. Lucy saved five 10p coins and fifteen 5p coins.
How much money did she save?**

Show how you worked it out.

£

2 marks

28. Shade a quarter of this shape.



1 mark

29. Write in the missing number.

$$230 + \boxed{} + 50 = 500$$

1 mark

30. Circle the two fractions which have the same value.

$$\frac{3}{5}$$
$$\frac{1}{2}$$
$$\frac{3}{4}$$
$$\frac{2}{7}$$
$$\frac{3}{6}$$

1 mark