National Curriculum Tests

Key Stage 1

Mathematics Paper 2: Reasoning

First Name			
Middle Name			
Last Name			
Date of Birth	Day	Month	Year
School Name		•	•

Published December 2016





Instructions

You may not use a calculator to answer any questions in this test.

Questions and answers

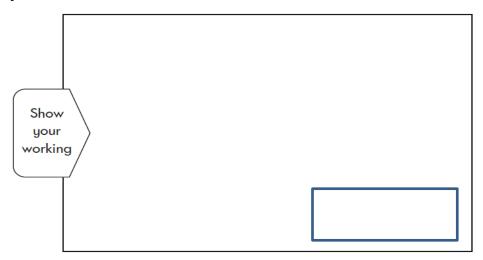
You have **40 minutes** to complete the test.

Follow the instructions for each question.

Work as quickly and as carefully as you can.

If you need to do working out, you can use the space around the question.

Some questions have a method box like this:



For these questions you may get a mark for showing your method.

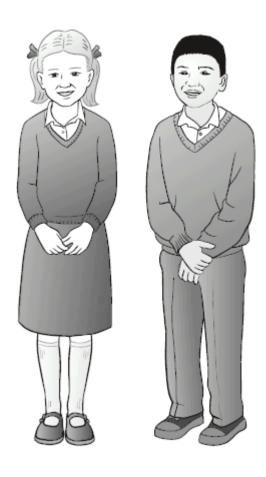
If you cannot do one of the questions, **go on to the next one.** You can come back to it later, if you have time.

If you finish before the end, go back and check your work.

Marks

The number under each line at the side of the pages tells you the maximum number of marks for each question.

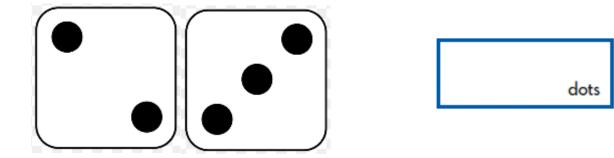




Laura Manjit

Ann Kelly Bob Jack

Practice Question

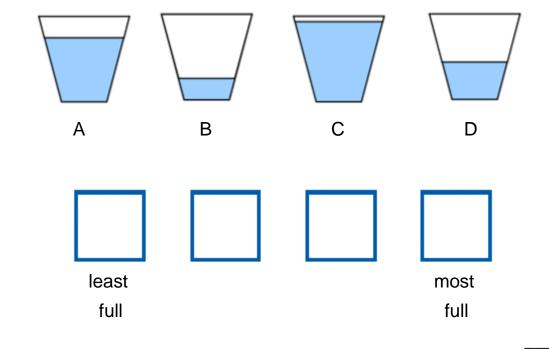




4.	40	6	
			 1 mark
5.	30		40

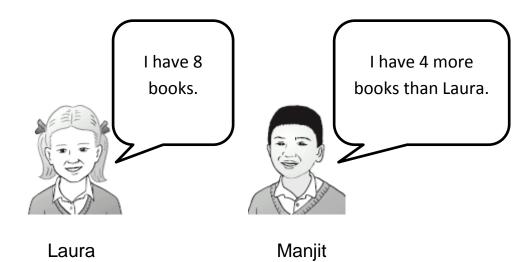


6. Sort the cups from least full to most full



1 mark

7.



How many books does Manjit have?





8. Match each coin to the correct box. One has been done for you.

Less than		More than	
	50		
	5		
	P 4		



9. On these cards, the words should match the number.

One of these cards is wrong.

Draw a cross on the card that is wrong.

19 nineteen 39 thirty nine 17 seventy

1 17 seventy

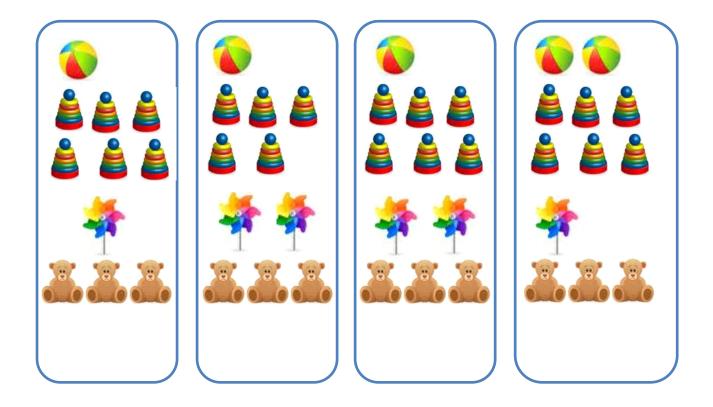
1 17 seventy

3 17 seventy

10. Bob makes a tally chart of his toys.

Toys in my box	Tally
	1
	H#1
* *	
	111

Tick one box that shows all of Bob's toys.





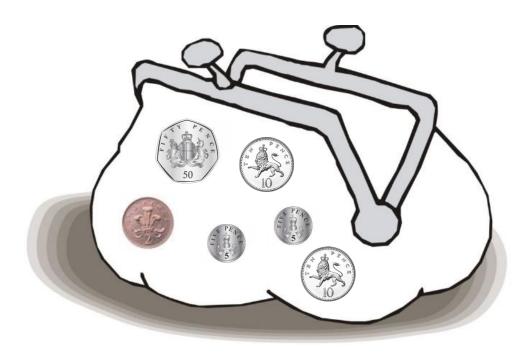
11. There are 20 birds. 6 birds fly away.	الح	
How many birds are left?		birds
12. Tick the two sentences that are correct.		 1 mark
A triangle has three sides	Tick two.	
A triangle can have lines of symmetry.		
A triangle has curved sides.		
A triangle has four sides.		



13. Write two numbers to make this calculation c	orrect.
+ =	= 18
	1 mark
Now write three numbers to make this calculation	n correct.
+ - =	= 18
	1 mark
14. Manjit has some toy trains.	
He gives half of them to Bob.	
He has five toy trains left.	
How many toy trains did Manjit start with?	trains
	1 mark



15. Kelly has these coins in her purse.

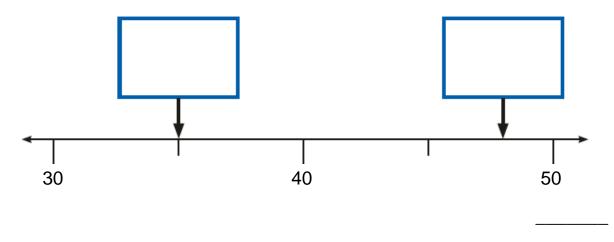


How much money does she have?

р

1mark

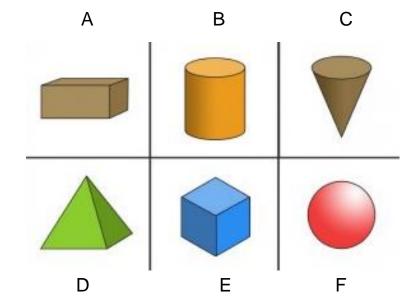
16. Write the correct number in each box.



2 marks



17.



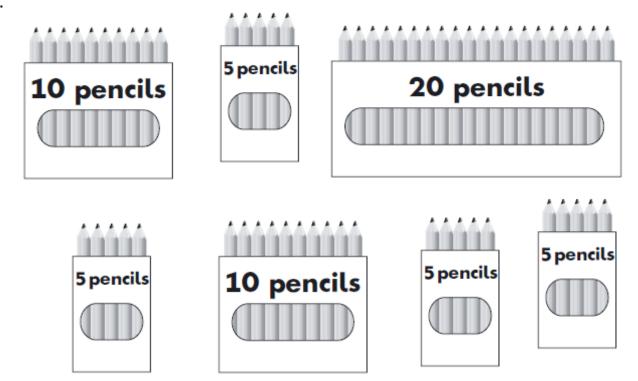
Which shape has exactly **5** faces?

Write the letter.





18.



Manjit and Bob share these pencils equally.

How many pencils do they each get?

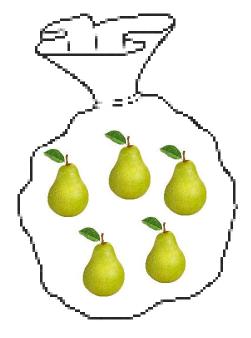


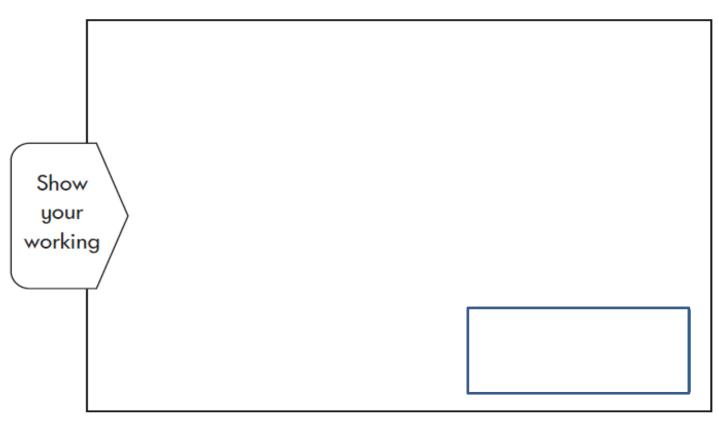


19. Miss Brown needs 30 pears for her class.

There are 5 pears in each bag.

How many **bags** of pears does Miss Brown need altogether?

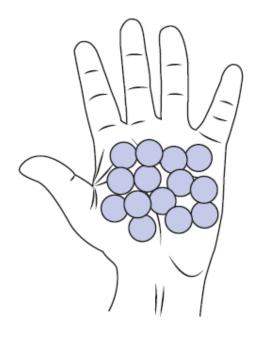






20. Laura has 23 counters altogether.

She has 14 counters in one hand.



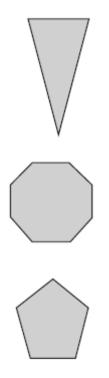


How many counters does she have in the other hand?

counters



21. Draw lines to match the shapes to their names.



pentagon

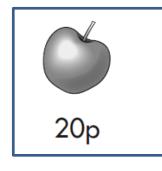
triangle

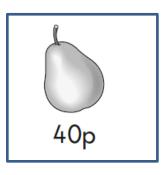
octagon

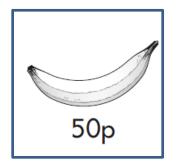
hexagon

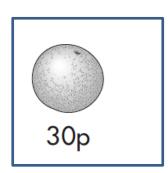
1 mark

22. Look at these four fruits.







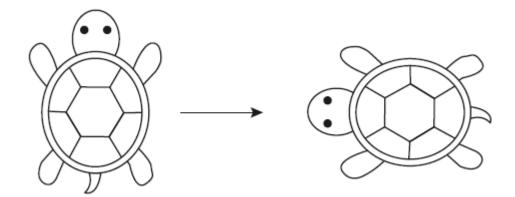


Kelly buys three different fruits.

She spends exactly £1.

Tick the **three** fruits that she buys.

23. This turtle is rotated anti-clockwise.

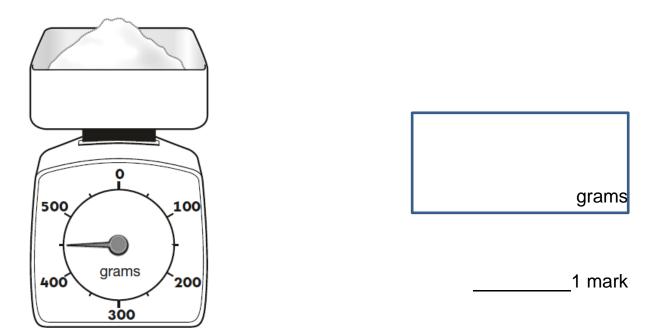


How much is the turtle rotated?

Circle your answer.

quarter	half	three-quarter	full
turn	turn	turn	turn
			1 mark

24. How much does the flour weigh?



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25. Match the sums that have the same answer.

One is done for you.

$$30 + 27$$

$$50 + 17$$

$$70 + 7$$



26.

One width of a swimming pool is 5 metres.

Manjit swims the width of the pool 4 times.



Manjit works out how many metres he swims altogether.

Circle the **two** calculations that Manjit can use.

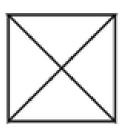
$$5 + 4$$

$$5 + 5 + 5 + 5$$

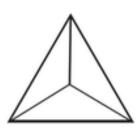
$$4 + 4 + 4 + 4$$

1 mark

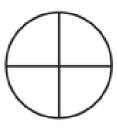
27. Shade the fractions of the shapes.



Shade $\frac{1}{2}$



Shade $\frac{1}{3}$



Shade $\frac{3}{4}$

2 marks



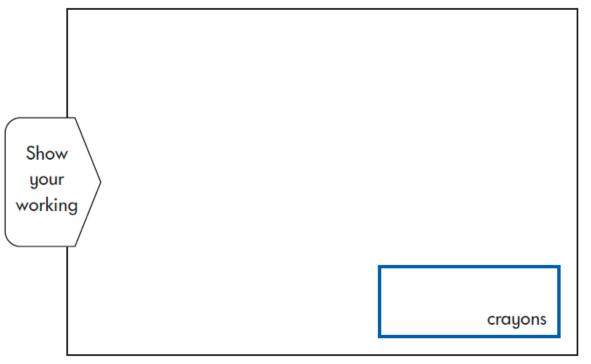
28.

There are **40** crayons in a box.

Bob takes 13 crayons.

Jack takes **10** crayons.





How many crayons are left?

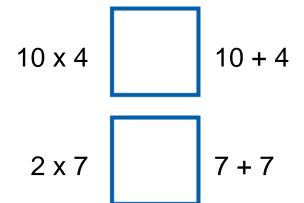
2 marks



29. Here are some signs.



Write the correct sign in each box.



1 mark

30. Bob has 85 grapes.

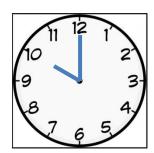
He eats 27 of them.

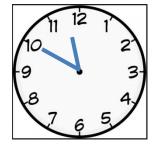


How many grapes does he have left?

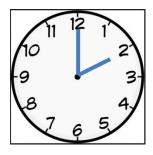
grapes

31. Tick the clock face that shows ten past two.









1 mark

END OF TEST