

2016 national curriculum tests

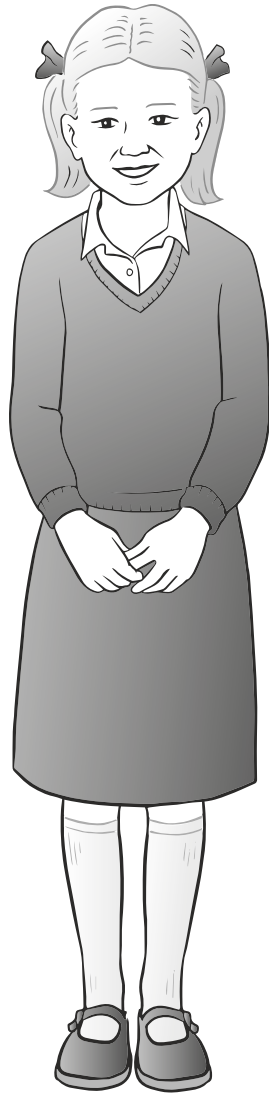
Key stage 1

Mathematics

Paper 2: reasoning

First name	
Middle name	
Last name	

Total marks	
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Amy



Abdul

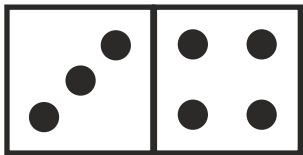
Sam

Ben

Sita

Kemi

Practice question



1

10 10 1 1
10 1 1
10 10 1
10 10 10 1 1
10 1

1 mark

2

children



1 mark

3



1 mark

4

40

7



1 mark

5

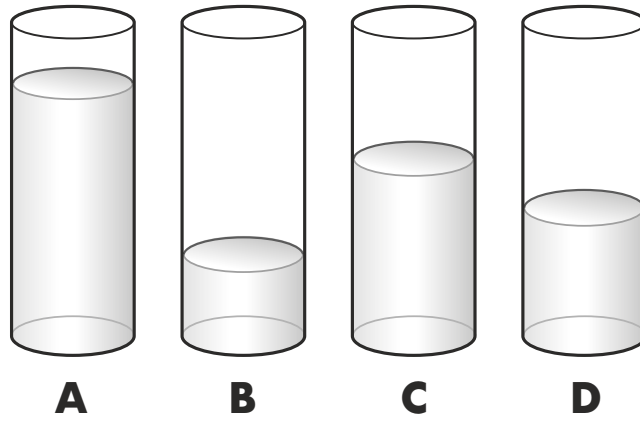
20

30



1 mark

6



Sort the glasses from **least full** to **most full**.



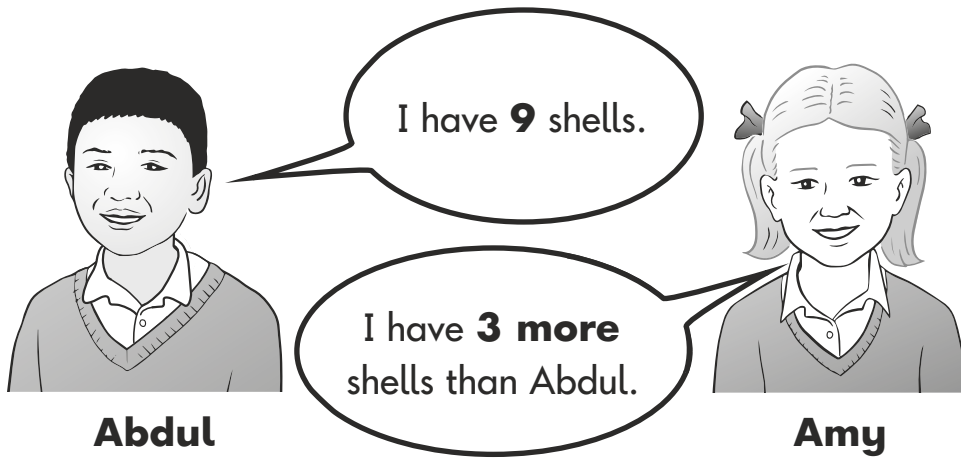
least full



most full



1 mark



How many shells does Amy have?

shells

1 mark

8

Match each coin to the correct box.

One has been done for you.

Less than 	More than 
    	

1 mark

9

On these cards, the word should match the number.

One of these cards is wrong.

Draw a cross on the card that is wrong.

15
fifteen

19
ninety

49
forty-nine

51
fifty-one



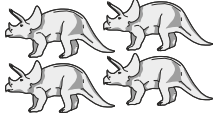
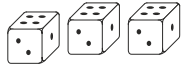
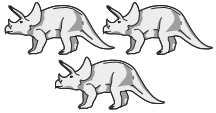
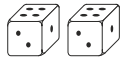
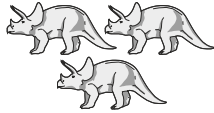
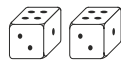
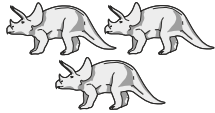
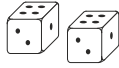
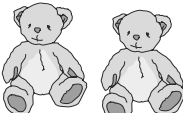
1 mark

10

Ben makes a tally chart of his toys.

Toys in my box	Tally
	
	
	
	

Tick **one** box below that shows all of Ben's toys.

   	   	   	   
--	--	---	--



1 mark

11 There are **20** balloons.

7 balloons fly away.



How many balloons are left?

balloons

1 mark

12 Tick the **two** sentences that are correct.

Tick **two**.

A square has sides of equal length.

☐

A square has curved sides.

☐

A square has lines of symmetry.

☐

A square has five sides.

☐

1 mark

- 13 Write two numbers to make this calculation correct.

$$\square + \square = 19$$



1 mark

Now write three numbers to make this calculation correct.

$$\square + \square + \square = 19$$

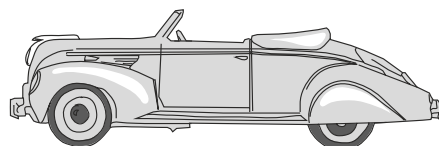


1 mark

- 14 Abdul has some toy cars.

He gives half of them to Ben.

He has four toy cars left.



How many toy cars did Abdul start with?

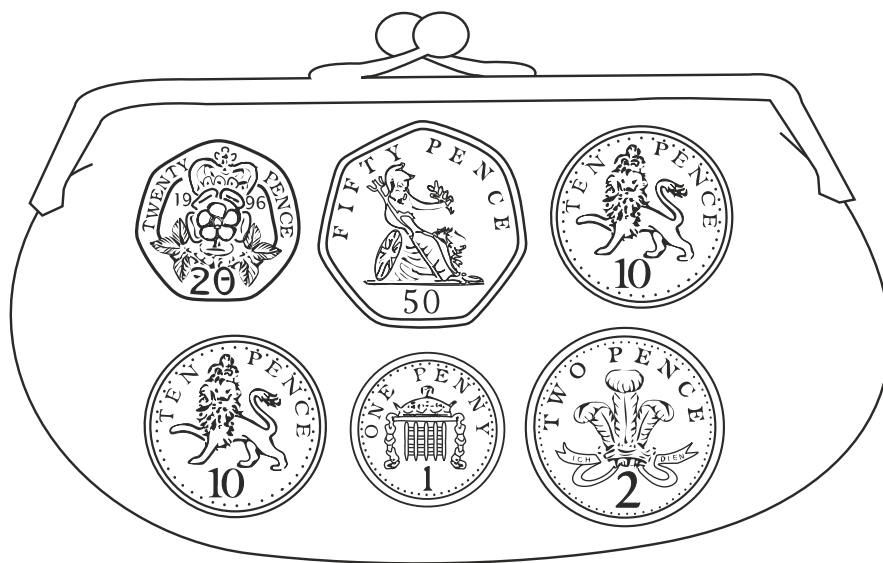
toy cars



1 mark

15

Sita has these coins in her purse.



How much money does she have?

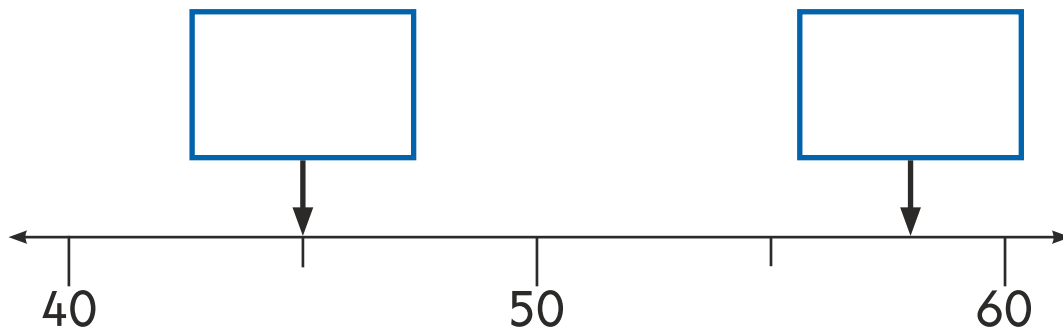
p



1 mark

16

Write the correct number in each box.

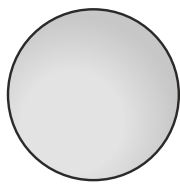
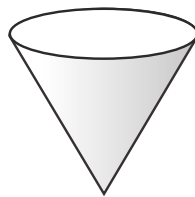
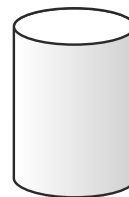
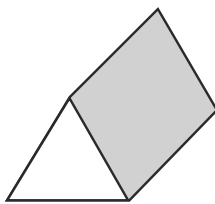
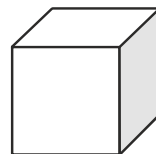


1 mark



1 mark

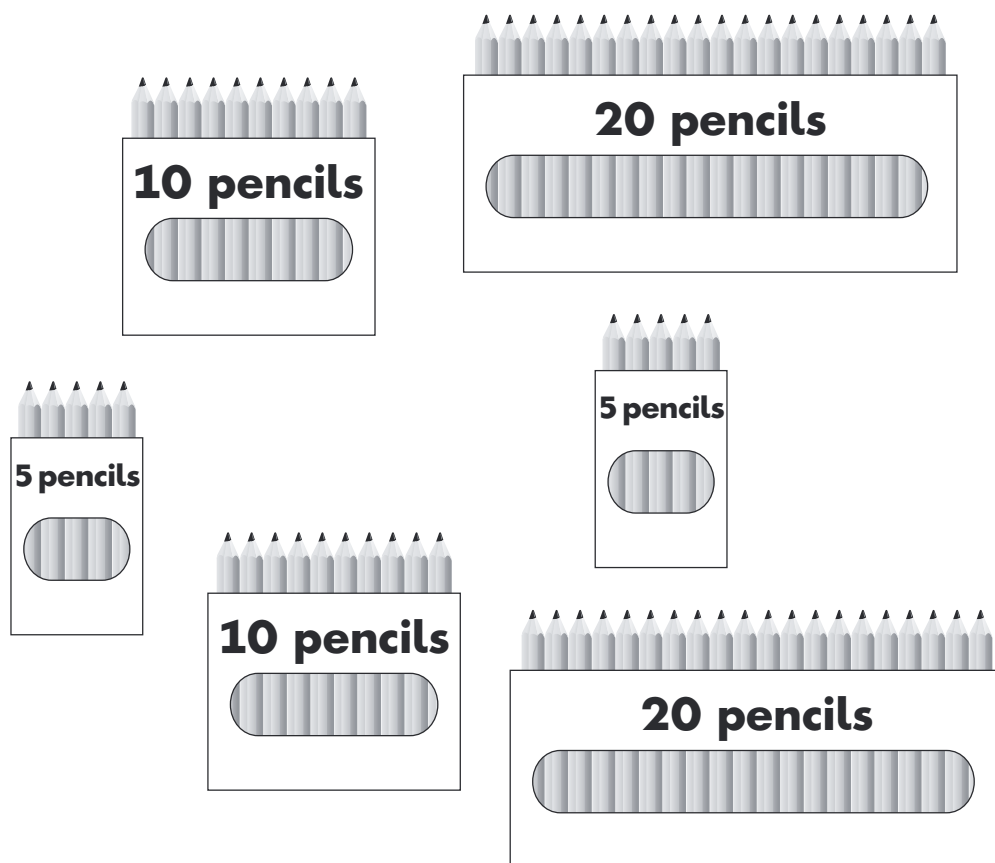
17

**A****B****C****D****E**Which shape has exactly **5** faces?

Write the letter.



1 mark



Kemi and Ben share these pencils equally.

How many pencils do they each get?

pencils

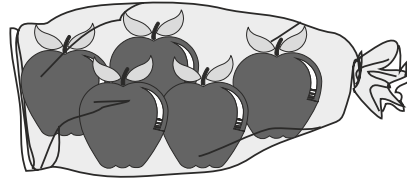


1 mark

19

Miss Smith needs **30** apples for her class.

There are **5** apples in each bag.



How many **bags** of apples does Miss Smith need altogether?

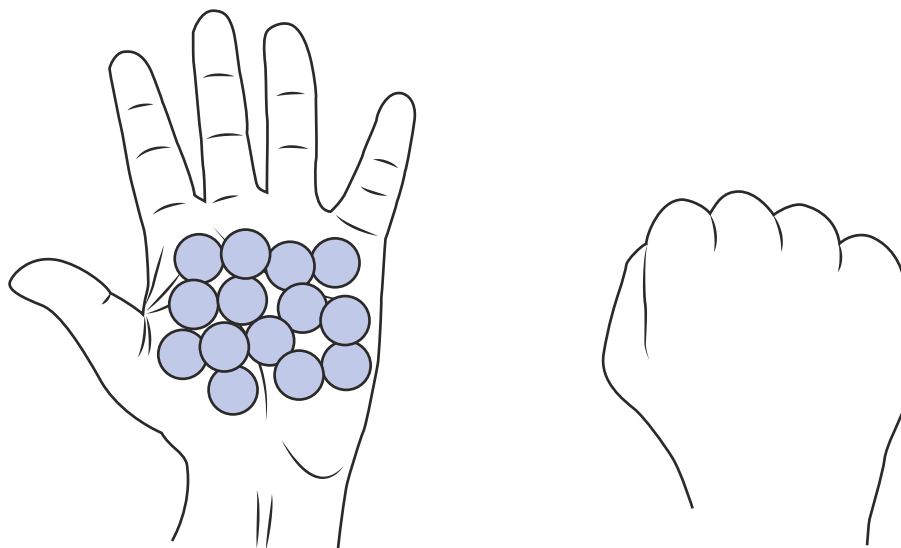
bags

1 mark

20

Amy has **21** counters altogether.

She has **14** counters in one hand.



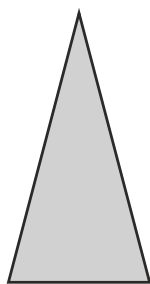
How many counters does she have in the other hand?

counters

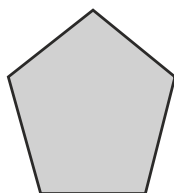


1 mark

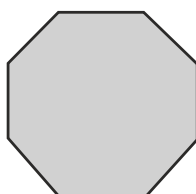
21 Draw lines to match the shapes to their names.



pentagon



triangle



octagon

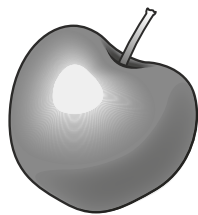
hexagon



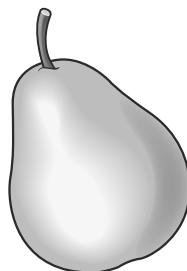
1 mark

22

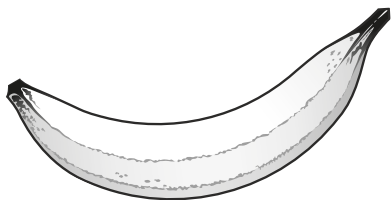
Look at these four fruits.



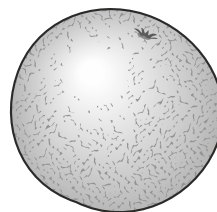
20p



40p



50p



30p

Kemi buys **three different** fruits.

She spends exactly **£1**

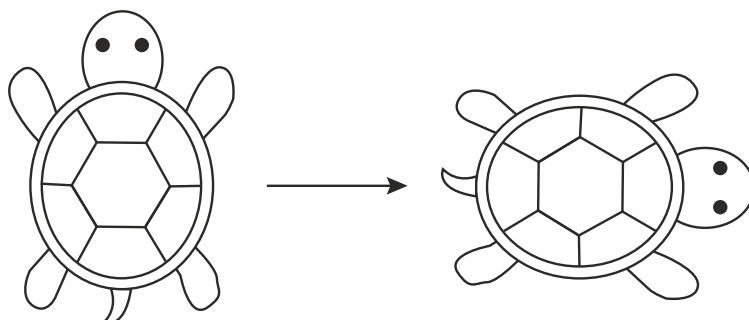
Tick the **three** fruits that she buys.



1 mark

23

This turtle is rotated **clockwise**.



How much is the turtle rotated?

Circle your answer.

quarter
turn

half
turn

three-quarter
turn

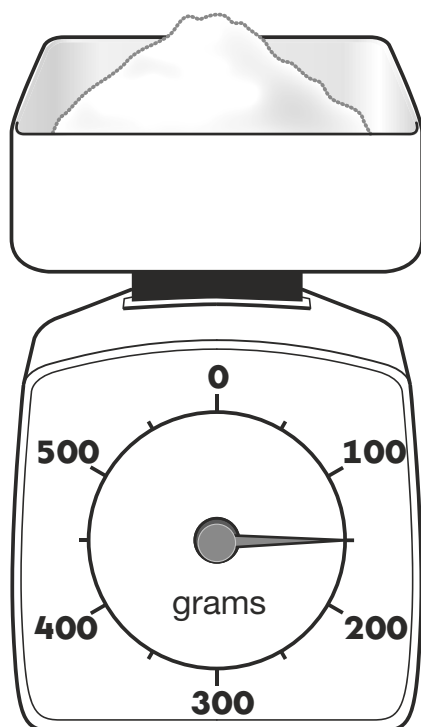
full
turn



1 mark

24

How much does the sugar weigh?

 g

1 mark

25

Match the sums that have the same answer.

One is done for you.

$20 + 8$

$30 + 28$

$50 + 8$

$70 + 18$

$80 + 8$

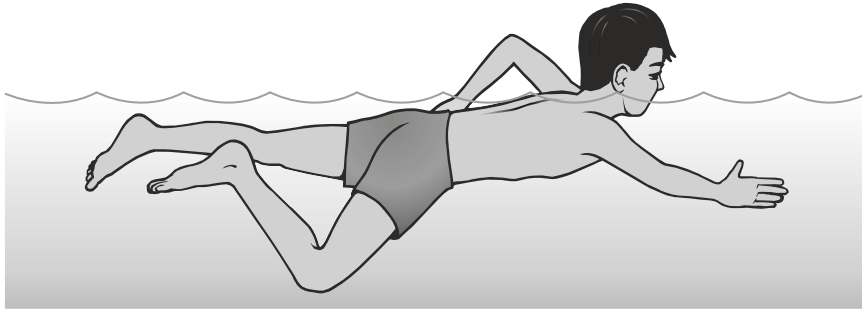
$10 + 18$

$90 + 8$

$50 + 48$



1 mark



One length of a swimming pool is **10** metres.

Abdul swims the length of the pool **4** times.

Abdul works out how many metres he swims altogether.

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

$$10 + 4$$

$$4 \times 10$$

$$10 + 10 + 10 + 10$$

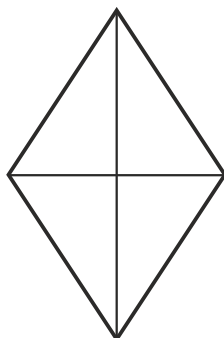
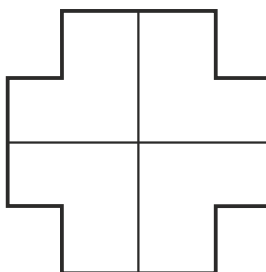
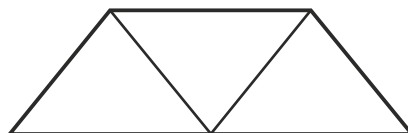
$$4 + 4 + 4 + 4$$



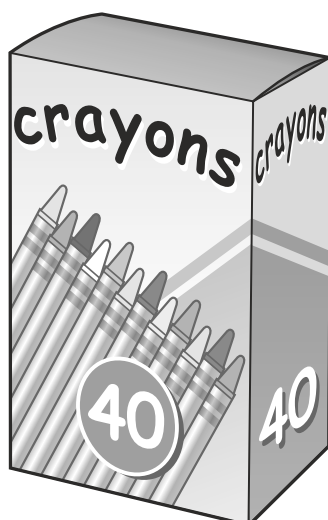
1 mark

27

Shade the fractions of the shapes.

Shade $\frac{1}{2}$ Shade $\frac{3}{4}$ Shade $\frac{1}{3}$ 

2 marks



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

Sam takes **17** crayons.

Kemi takes **10** crayons.

How many crayons are left?

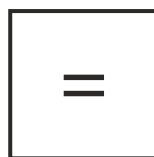
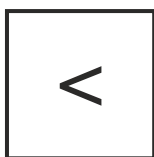
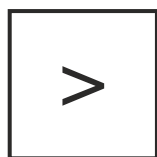
Show
your
working

crayons



2 marks

29 Here are some signs.



Write the correct sign in each box.

$10 + 5$

10×5

2×6

$6 + 6$



1 mark

30 Ben has **75** cherries.

He eats **28** of them.



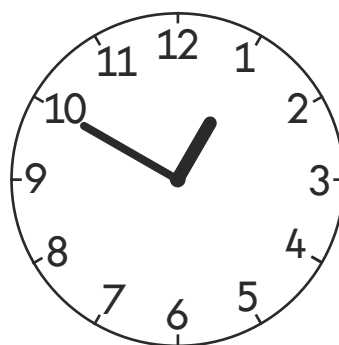
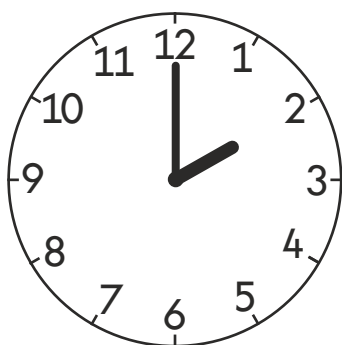
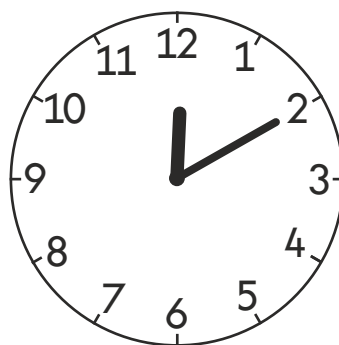
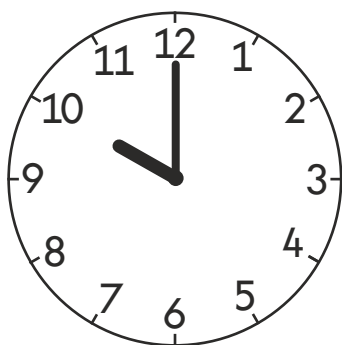
How many cherries does he have left?



1 mark

31

Tick the clock face that shows **ten past twelve**.



1 mark

END OF TEST



Standards
& Testing
Agency

2016 key stage 1 mathematics

Paper 2: reasoning

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