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2022 national curriculum tests

Key stage 1

MATHEMATICS

Modified large print

Paper 2: reasoning

First name _____

Middle name _____

Last name _____

Note for marking:

This paper should be marked using the standard mark schemes for KS1 mathematics: Paper 2. Please also refer to the Key stage 1 mathematics amendments to mark schemes – MLP document for questions that have been modified or replaced.

STA/22/8408/MLp

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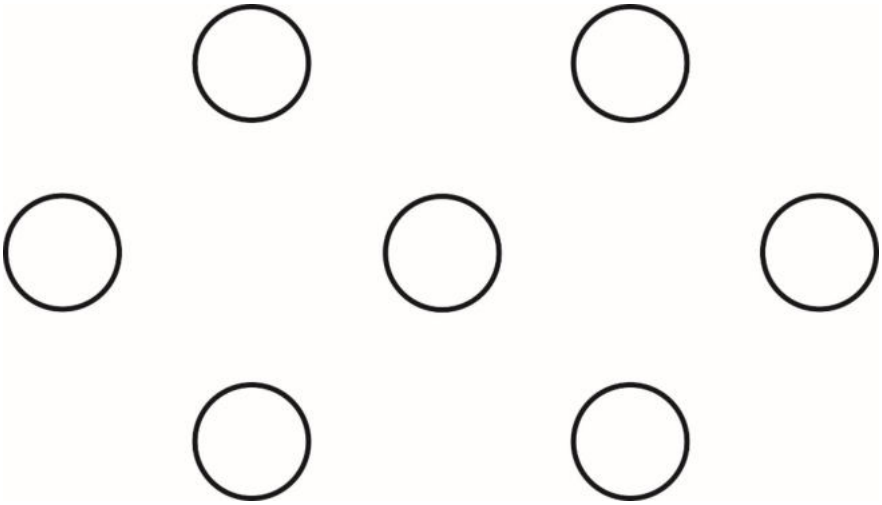
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In this booklet you will read the names of six children.

They are called:
Ajay
Amy
Ben
Kemi
Sam
Sita

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Practice question



_____ **circles**

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1. Ajay **5** blue cars

   Kemi **14** red cars

   _____ cars

2. two-digit number

   less than **20**

   even number

   _____

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3. **60**

_____

4. **P** quarter to three

Q quarter past four

R quarter past three

S quarter to four

03 : 45

_____

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5. **12**

_____ **sweets**

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6. Look at the date below.

Tuesday 28th April 2020

The day of the month is the 28th.

Write the day of the week.

_____

Write the year.

_____

Write the month.

_____

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7. Look at the five numbers below.

76 84 27 45 18

Write them in order from smallest to largest.

One is done for you.

smallest **18**

_____

_____

_____

largest _____

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8. **Kemi has 25 red beads and 6 green beads.**

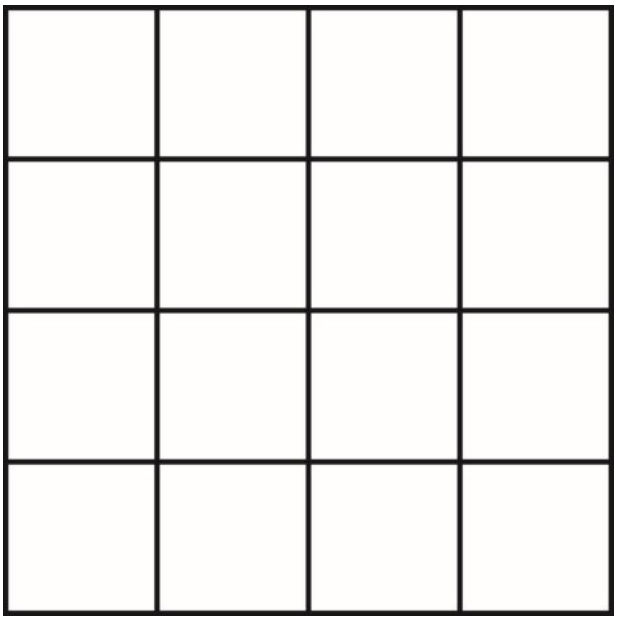
How many beads does Kemi have altogether?

_____ beads

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9. Look at the shape below.

It is made from 16 squares.



Shade or mark a quarter of the shape.

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10. Ben has 20 stickers.

Sam has 30 stickers.

Ajay has 50 stickers.

How many stickers do they have altogether?

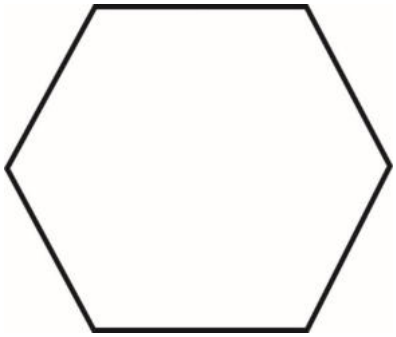
_____ stickers

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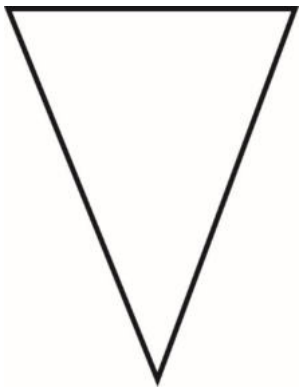
11. Look at the four shapes below.

They are labelled P Q R and S

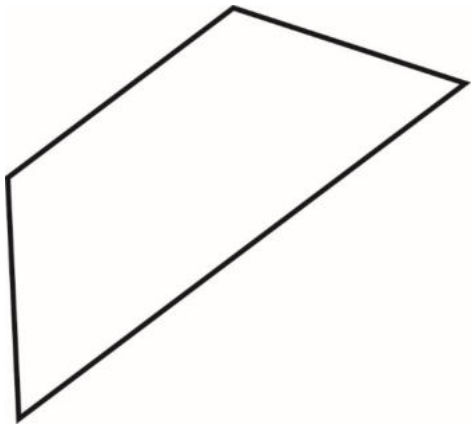
P



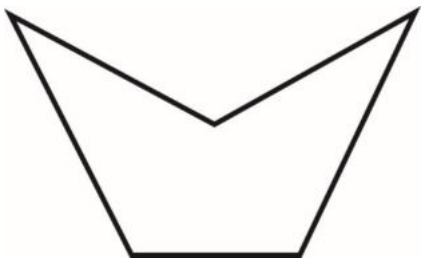
Q



R



S

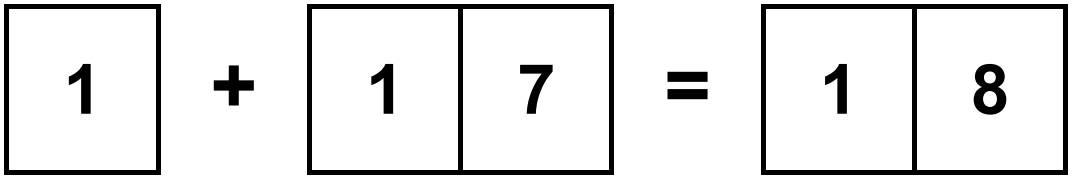


Write the letter of the shape that has five sides.

_____

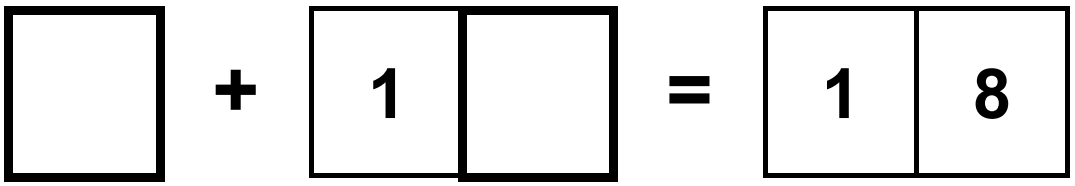
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12. The number sentence below equals 18



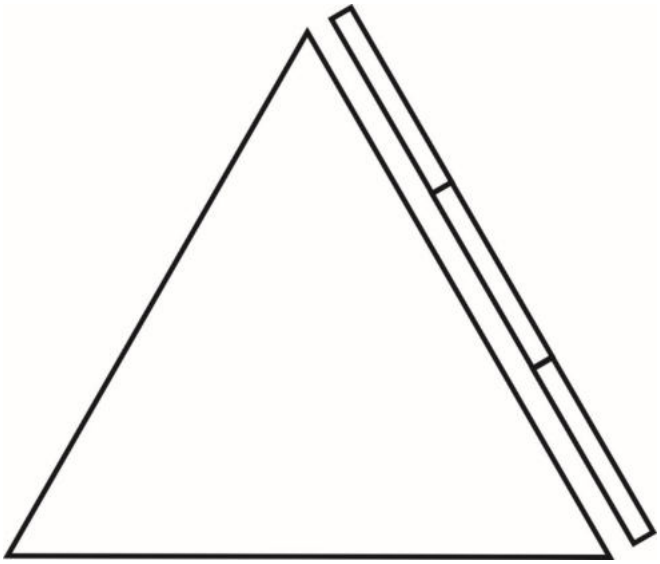
Now write a different number sentence that equals 18

Write one digit in each empty box.



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13. Look at the diagram below.



This triangle has three sides of equal length.

Three sticks fit along one side of the triangle.

All three sticks are the same length.

How many sticks fit around all three sides of the triangle?

_____ sticks

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14. Look at the number pattern below.

_____ 15 20 25 _____

Write the two missing numbers in the spaces.

Look at the number pattern below.

_____ 18 21 24 27

Write the missing number in the space.

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15. Look at the list of three units below.

kg ºC ml

Write the unit used to measure the mass of a bag of potatoes.

_____

Write the unit used to measure the capacity of a cup.

_____

Write the unit used to measure the temperature outside.

_____

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16. Complete the table below to show how many tens and ones are in each number.

One is done for you.

Number	Tens	Ones
87	8	7
23		
5		

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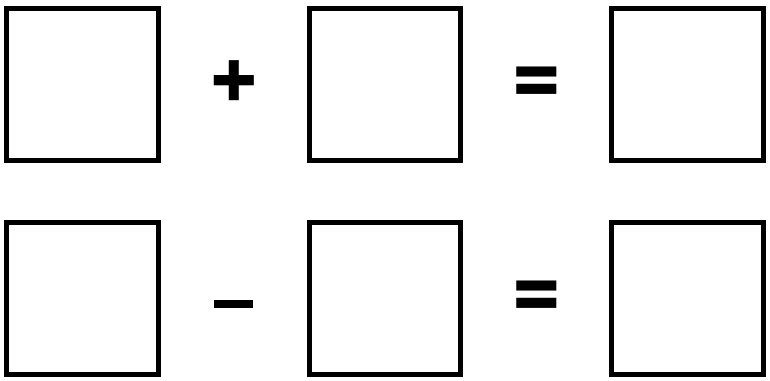
17. Look at the three numbers below.

36 42 6

Use these numbers to complete the two number sentences below.

Use all three numbers each time.

Write the numbers in the boxes.



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18. Ben has 40 cards.

He shares them equally between 4 party bags.

How many cards does he put in each bag?

_____ cards

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19. The coins in four purses are listed below.

The purses are labelled P Q R and S

P 20p 20p 10p

Q 10p 20p 20p 10p

R 10p 5p 50p

S 5p 5p 20p 10p 10p

Two of the purses have the same amount of money.

Tick or mark these two purses.

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20. Look at the four calculations below.

They are labelled P Q R and S

P 5 + 2

Q 10 – 3

R 9 – 1

S 4 + 1

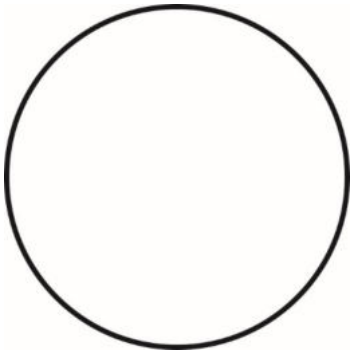
Write the letter of the calculation with the largest answer.

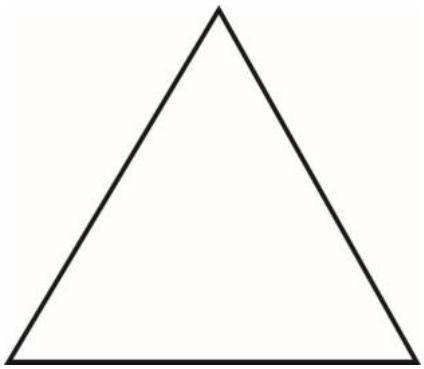
_____

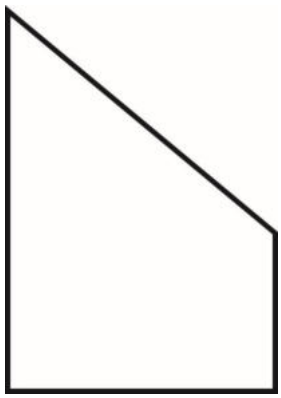
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21. Look at the four shapes below.









Tick or mark the shape that does not have a line of symmetry.

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22. A wall has 5 bricks in each row.

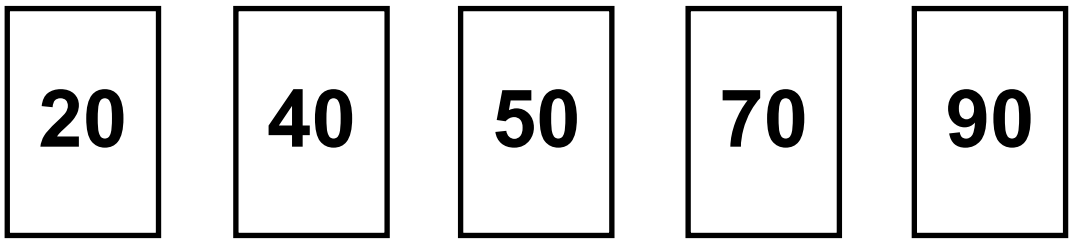


How many bricks are there in 6 rows?

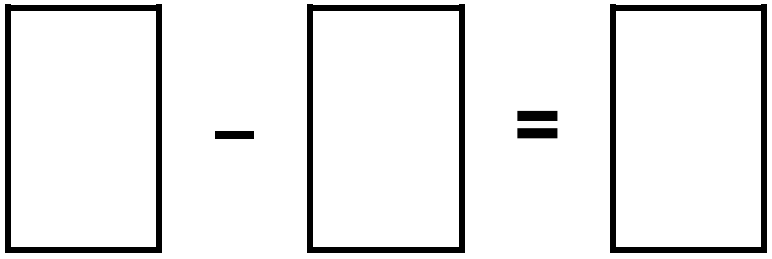
_____ **bricks**

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23. Look at the five number cards below.



Choose three of the number cards to make the subtraction below correct.



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24. **8** **children are eating plums.**

Each child eats **2** **plums.**

How many plums do they eat altogether?

_____ plums

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25. **Sam puts 18 cards in rows.**

He puts 3 cards in each row.

How many rows of cards are there?

_____ **rows**

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26. There are 43 people on a bus.

15 people get off.

8 people get on.

How many people are on the bus now?

Show your working.

_____ people

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27. Complete the number sentences below.

One is done for you.

7	+	7	=	14
	+	7	=	24
27	+	7	=	
	+	7	=	44

Write the missing numbers in the boxes.

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28. **A pencil costs 15p**

A rubber costs 25p

Kemi has £1

She buys a pencil and a rubber.

Write how much change Kemi gets from £1

Show your working.

_____ **p**

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29. Sita has 8 grapes.

grape grape grape grape

grape grape grape grape

She eats $\frac{3}{4}$ of them.

How many does she eat?

_____ grapes

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30. The table below shows the shoe sizes of all the children in a class.

Shoe size	Number of children
9	7
10	8
11	12
12	2

How many children have a shoe size of 10 or smaller?

_____ **children**

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31. **Write the missing number in the box.**

$5 \times 4 = \square$

Write the missing number in the box.

$\square \times 10 = 70$

End of test

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Total marks	

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Paper 2: reasoning

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