## 2022 national curriculum tests

## Key stage 1

## Mathematics

## Paper 2: reasoning

| First name |  |
| :--- | :--- |
| Middle name |  |
| Last name |  |



Amy


Ben


Sam


Sita

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## Practice question



1

less than 20
even number




1 mark


Tick one.
quarter to 9 $\square$
quarter to 4 $\square$
quarter past 9 $\square$
quarter past 4 $\square$

6 Match each label to the correct part of the date.

One is done for you.


7 Put these numbers in order from smallest to largest.

One is done for you.

$$
\begin{array}{lllll}
76 & 84 & 27 & 45 & 18
\end{array}
$$


smallest
largest

8 Kemi has 25 red beads and $\mathbf{6}$ green beads.

How many beads does Kemi have altogether?


9 Draw two lines to divide the square into quarters.



1 mark

10 Ben has 20 stickers.

Sam has $\mathbf{3 0}$ stickers.

Ajay has 50 stickers.

How many stickers do they have altogether?
stickers

11 Tick the two shapes that have the same number of sides.


12 This number sentence equals 18


Now write a different number sentence that equals 18

Write one digit in each empty box.


13 This triangle has three sides of equal length.

Three pencils fit along one side of the triangle.


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


14 Here are two number patterns.

There are three missing numbers.
Write them in the empty boxes.


15 Draw a line to match each measurement to the correct unit.

One is done for you.
measurement unit


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

One is done for you.

| Number | Tens | Ones |
| :---: | :---: | :---: |
| 87 | 8 | 7 |
| 23 |  |  |
| 5 |  |  |

17 Look at these numbers.


Use these numbers to complete the number sentences below.

Use all three numbers each time.


18 Ben has 40 cards.

He shares them equally between 4 party bags.

How many cards does he put in each bag?


19 Two of these purses have the same amount of money.

Tick them.


20 Circle the calculation with the largest answer.

$$
\begin{array}{ll}
5+2 & 10-3 \\
9-1 & 4+1
\end{array}
$$

21 Draw a cross on the shape that does not have a line of symmetry.



A wall has 5 bricks in each row.

How many bricks are there in $\mathbf{6}$ rows?


23 Look at these number cards.


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



1 mark

248 children are eating plums.

Each child eats 2 plums.


How many plums do they eat altogether?


25 Sam puts 18 cards in rows.

He puts $\mathbf{3}$ cards in each row.

How many rows of cards are there?


26 There are 43 people on a bus.

15 people get off.

8 people get on.


How many people are on the bus now?


27 Complete the number sentences.

## $7+7=14$




1 mark

28


## Kemi has $£ \mathbf{1}$

She buys a pencil and a rubber.

How much change does Kemi get from $\mathbf{£ 1}$ ?


29


Sita has 8 strawberries.
She eats $\frac{3}{4}$ of them.
How many does she eat?

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

| Shoe size | Number of <br> children |
| :---: | :---: |
| 9 | 7 |
| 10 | 8 |
| 11 | 12 |
| 12 | 2 |

How many children have a shoe size of $\mathbf{1 0}$ or smaller?


31 Kemi says,


Write the two missing numbers below.


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## Standards \& Testing Agency

2022 key stage 1 mathematics
Paper 2: reasoning
Print version product code: STA/22/8408/p ISBN: 978-1-78957-258-2
Electronic PDF version product code: STA/22/8408/e ISBN: 978-1-78957-277-3

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