## Autumn progress check

## Year 3

## Mathematics

## Paper 2: reasoning and problem solving

| First name |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :---: |
| Middle name |  |  |  |  |  |
| Last name |  |  |  |  |  |
| Date of birth | Day |  | Month |  |  |
| Teacher |  |  |  |  |  |

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Please do not write on this page.

## Instructions

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

## Questions and answers

You have 50 minutes to complete this paper.
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 page tells you the maximum number of marks for each question.

Eva makes this number.


Write Eva's number in numerals.
$\overline{1 \text { mark }}$

Write Eva's number in words.
$\overline{1 \text { mark }}$

2 Complete the part-whole model.

$\overline{1 \text { mark }}$

Amir is shading multiples of 4

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |

Which two numbers has he missed?

$\overline{1 \text { mark }}$

Dexter is using place value counters to represent a number.

| Hundreds | Tens | Ones |
| :--- | :---: | :---: |
| 100 | 10 | 10 |

Write Dexter's number in words.

Dexter adds these counters to the chart.

## 100

10

What is Dexter's new number?
30

Circle all the multiples of 5
413
430
130
134
500

Alex is counting up in 100 s from 0
Circle the numbers that she will say.
400
280
150
700

$\overline{1 \text { mark }}$

Complete the number track.

|  | 250 | 300 |  | 400 |
| :--- | :--- | :--- | :--- | :--- |



Complete the sentence.


Dora has started making an array with 12 counters.
Finish Dora's array.


Mo says, "The answer is about 200"
Whose estimate is better?
Circle your answer.

> Rosie Mo

Explain your choice.

Annie is calculating 568-99
Annie says, "First I am going to subtract 100 from 568"
What does Annie need to do next?
Tick the correct box.
add 1 $\square$

add 99

subtract 99 $\square$

Complete the number sentences.






$\overline{1 \text { mark }}$

17 Circle the multiple of 8

104
107

Explain your reasoning.
$\overline{1 \text { mark }}$

Tommy has 254 stickers.
He is given 179 more stickers.
How many stickers does he have now?
$\overline{1 \text { mark }}$
Write a subtraction to check your answer.

1 mark

Jug A has 490 ml of juice.
Jug B has 220 ml of juice.
150 ml of juice is poured from jug $A$ into jug $B$.


A


B

Which jug now contains more juice?


Dani is putting sweets into party bags.
She puts 3 sweets in each bag.
She uses 27 sweets in total.
How many bags does she fill?
$\square$
1 mark
Dani wants to put 8 stickers into each party bag.
She has 50 stickers.
How many more stickers does she need?

