NAME

Time:

Non-Calculator Questions

3rd

1 Pablo got $\frac{34}{50}$ in a Geography examination. He got $\frac{67}{100}$ in a History examination.

In which examination did Pablo get the higher percentage mark?

You must show your working clearly.

(2 marks)

4th

3 Increase 840 metres by 10%

(3 marks)

6th

5 Work out $\frac{2}{5} + \frac{7}{15}$

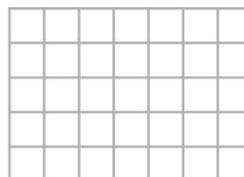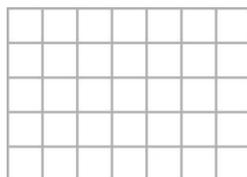Give your answer in its simplest form.

(2 marks)

4th

7 Here are two fractions.

$\frac{3}{7}$ and $\frac{2}{5}$

Which is the larger fraction?

You must show working to explain your answer.

You may use the grids to help with your explanation.

(2 marks)

9 Complete the table.

Fraction	Decimal	Percentage
$\dfrac{1}{4}$	0.25	25%
$\dfrac{3}{10}$		
	0.23	
		7%

(3 marks)

11 Work out $1\dfrac{1}{2} \times 2\dfrac{1}{5}$

Give your answer as a mixed number.

(3 marks)

Calculator Questions

13 Ruth is a Maths teacher.

She has made some cards with calculations on them.

Here are three cards.

57.92 + 12.35	72% of 96.5	$\dfrac{5}{8}$ of 112

Which of these three cards shows the calculation with the greatest answer?

You must show your working.

(4 marks)

15 Reduce $460 by 7%

(3 marks)

17 Primrose is making rice pudding.

She needs 1.2 litres of milk.

In the fridge, she finds three milk cartons that each contain 1 litre of milk when full.

She finds

- one carton is half full of milk
- one carton has 0.35 litres of milk in it
- one carton is 32% full of milk.

Does Primrose have enough milk to make the rice pudding?

(4 marks)

19 Pedro has a 4% pay rise.

His hourly rate before the pay rise was £9.25

Abigail has a pay rise of $\dfrac{1}{20}$ of her current wage.

Her hourly rate before the pay rise was £9.20

Which of Pedro or Abigail earns the greater hourly rate after their pay rises?

You must show your working.

(4 marks)

Overall mark	/30