First name

Last name

School

Class

Date of birth

Date of test 2015

Total score (maximum 36)
1. \( 8 \times 4 \div (4 \times 2) = \) 

2. All books: £5.99 each

   Work out the greatest number of books you can buy with £45

3. Find 25% of £36

4. Time in Wrexham

   11:00

   Time in New York

   06:00

   Later that day it is 14:30 in Wrexham.

   What time is it in New York?
5. Complete the table.

<table>
<thead>
<tr>
<th></th>
<th>Greater than $\frac{1}{2}$</th>
<th>Less than $\frac{1}{2}$</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>0.09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$\frac{2}{3}$</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.28</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. $0.7 \text{ km} = \boxed{700}$ metres

7. $14 \times 11 = \boxed{154}$

8. Subtract 0.09 from 0.1

\[ 0.1 - 0.09 = \boxed{0.01} \]
9. Complete the three boxes on this invoice.

- **hours at £35 for each hour: total cost**: £280
- **plus tax at 20% of the total cost**: £
- **Grand total**: £

10. Work out how many thirds there are in $4\frac{1}{3}$

11. A 250g block of cheese costs £1.80
   How much is that per 100g?
12. \[1.24 + 1.25 + 1.26 = \boxed{}\]

13. **Menu**

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eggs on toast</td>
<td>£2.49</td>
</tr>
<tr>
<td>Curry with rice</td>
<td>£6.95</td>
</tr>
<tr>
<td>Fish stew</td>
<td>£6.99</td>
</tr>
</tbody>
</table>

2 people order eggs on toast, 3 people order curry with rice and 1 person orders fish stew.

**Estimate** the total cost, to the nearest £.

\[£\]

14. \[90 \times \boxed{} = 0.9\]

15. Round 777777 to **three** significant figures.
The six-figure grid reference for Grove Farm is 480330.

Write a six-figure grid reference for Caradog Farm.

17 Work out the volume of the cube.

\[ \text{cm}^3 \]
Pie chart to show the proportion of cats and dogs in a rescue centre

Key:
- Cats
- Dogs

The ratio of **cats** to **dogs** is \(1: \) 

The ratio of **dogs** to **cats** is \(1: \) 

19. Work out \(5^3 - 5^2\)

20. Circle the fraction that is nearest in value to 0.6

\[
\begin{align*}
\frac{3}{6} & \quad \frac{2}{5} & \quad \frac{11}{20} & \quad \frac{7}{10}
\end{align*}
\]
Changing between °F and °C

13°C = □ °F

When the temperature goes up by 25°F, what does it go up by in °C?

□ °C

The reciprocal of \( \frac{2}{5} \) is □
23. Work out the area of this shape.

24. Original price £3000
    Price reduced by \( \boxed{\text{%}} \)
    Now only £1200

Circle the percentage below that shows how much the price has been reduced.

18\% \hspace{1cm} 40\% \hspace{1cm} 42\% \hspace{1cm} 60\% \hspace{1cm} 75\%
Scatter graph showing yearly birth rates per 1000 people in countries across the world

Predicted birth rate in 30 years

Birth rate now

What type of correlation does the scatter graph show?

The birth rate now in a different country is 45

Use the line of best fit to predict its birth rate in 30 years.
26. How many litres is 6 pints?

4 pints = 2.27 litres

27. Questionnaire in a restaurant

How good was the service?
1 (excellent) 2 (good) 3 (satisfactory) 4 (poor)

20 people answered the questionnaire.
3 people gave a score of 1 and 9 people gave a score of 2
Everyone else gave a score of 3

What is the mean score?