PROCEDURAL
8EP16

First name ____________________________

Last name ____________________________

School ________________________________

Class ________________________________

Date of birth ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Date of test ☐ ☐ 2016

Total score ☐ (maximum 36)
1. Here are the results of a survey.

Do you prefer books or e-books?

books (70%) | e-books

What percentage of people prefer e-books?

%

2. Add 1.25 to 6.6

3. Subtract 1.25 from 6.6

3. \(700 \div (3 + 4) = \)
4. Find 75% of £20

5. A train leaves Llandovery at 20:34 and arrives in Swansea at 22:04
   How many minutes long is the journey?

6. 6.5 metres = __________ centimetres

7. Pens, £3.49 each
   Work out the greatest number of these pens you can buy with £15
8. \[0.6 \times 8 = \boxed{}\]

9. Work out \[\frac{5}{8}\] of £160

\[\boxed{\text{£}}\]

10. The area of a square is 36 cm²

What is its perimeter?

\[\boxed{\text{cm}}\]

11. Multiply 143 by 29

\[\boxed{}\]
People in Wales who can speak Welsh (2013 survey)

Key

- Can speak Welsh
- Cannot speak Welsh

In 2013, about what proportion of people in Wales could speak Welsh?

Circle the best answer below.

\[
\frac{1}{4} \quad \frac{1}{5} \quad \frac{1}{6} \quad \frac{1}{7} \quad \frac{1}{8} \quad \frac{1}{9}
\]

These potatoes cost £1.59 for 750g.

What is the cost of 1kg of these potatoes?
Use the graph to find the missing temperatures below.

**Pie:** cook for 30 minutes at 180°C to 190°C.

**Write the missing temperatures, to the nearest 25°F.**

Cook for 30 minutes at ______ °F to ______ °F.

**Pizza:** cook for 15 minutes at 425°F to 450°F.

**Write the missing temperatures, to the nearest 10°C.**

Cook for 15 minutes at ______ °C to ______ °C.
15. What number is 3 cubed?

16. Complete both boxes on this electricity bill.

units at 15.6p per unit : total £156.00

VAT at 5% of the total = £

17. Circle the numbers that round to 8000 to 1 significant figure.

8921  8379  7608

7500  7499
18. \[1m^2 = \boxed{} \text{ cm}^2\]

19. Ali is 76cm tall.
   His father is 1m 90cm tall.
   Write the ratio of their heights in the form 2: __

   Ali's height : his father's height is 2:

20. Amy does a time calculation. Her calculator shows the answer in minutes.
   \[4.3\]
   How long is this, in minutes and seconds?
   4 minutes and ___ seconds
21 A gardener charges £15 per hour.

She reduces her price by 20% for some customers.

What is her reduced price?

£ per hour

22 Work out \( \frac{1}{5} + \frac{1}{4} + \frac{3}{10} \)

Write your answer as a fraction in its simplest form.

23 5 miles is about 8 kilometres.

To the nearest half mile, how many miles is 20 kilometres?

miles
A company makes a new soft drink.

They plan a large survey to find out if people like it.

Tick the question below that best avoids bias (is fairest).

☐ Is this the best drink you have tasted today?

☐ On a scale of 1 (poor) to 5 (very good), how do you rate our new drink?

☐ Which word describes our new drink? Excellent/very good/good

☐ Everyone we have asked so far likes our new drink. Do you?

40% of a number is 24

What is 25% of the number?

These three numbers have a mean of 5 and a range of 0

5 5 5

Write three numbers that have a mean of 5 and a range of 4

☐ ☐ ☐
27. This triangle is isosceles. Its area is 50cm²

What is the height of the triangle?

\[ \text{cm} \]

28. \[ w = \sqrt{12^2 + 4^2 + 3^2} \]

Work out the value of \( w \)

\[ w = \]