

YEAR 8 PROCEDURAL TEST B

NAME:

Score: / 36

1. Here are the results from a recent survey.

Do you prefer films or TV shows?

Films (65%)	TV shows
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What percentage of people preferred TV shows?

.....% (1)

2. Add 2.35 to 7.44

..... (1)

Subtract 2.35 from 7.44

..... (1)

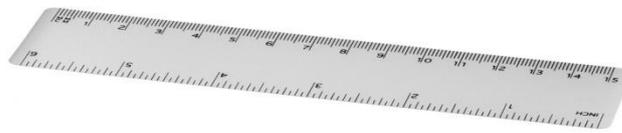
3. $800 \div (5+3)$

..... (1)

4. Find 75% of £40.

£ (1)

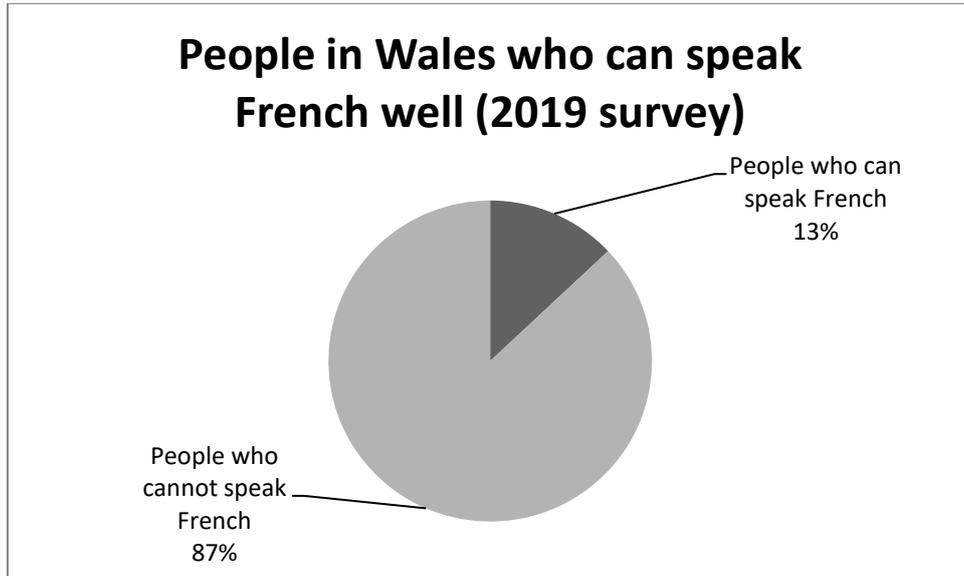
5. A bus leaves Swansea at 19:23 and arrives at Newport at 20:52
 How many **minutes** long is the journey? minutes (1)
6. 2.4 metres = centimetres (1)
7. Work out the greatest number of these rulers you can buy with £10



Rulers, £2.35 each

- rulers (1)
8. $0.8 \times 9 =$ (1)
9. Work out $\frac{6}{7}$ of 140 (1)
10. The area of a square is 25cm^2
 What is the perimeter?cm (1)
11. Multiply 134 by 31
 (2)

12.



In 2019, about what fraction of people can speak French well?

- $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$ $\frac{1}{8}$ $\frac{1}{9}$ (1)

13. These grapes cost £1.80 for 750g.

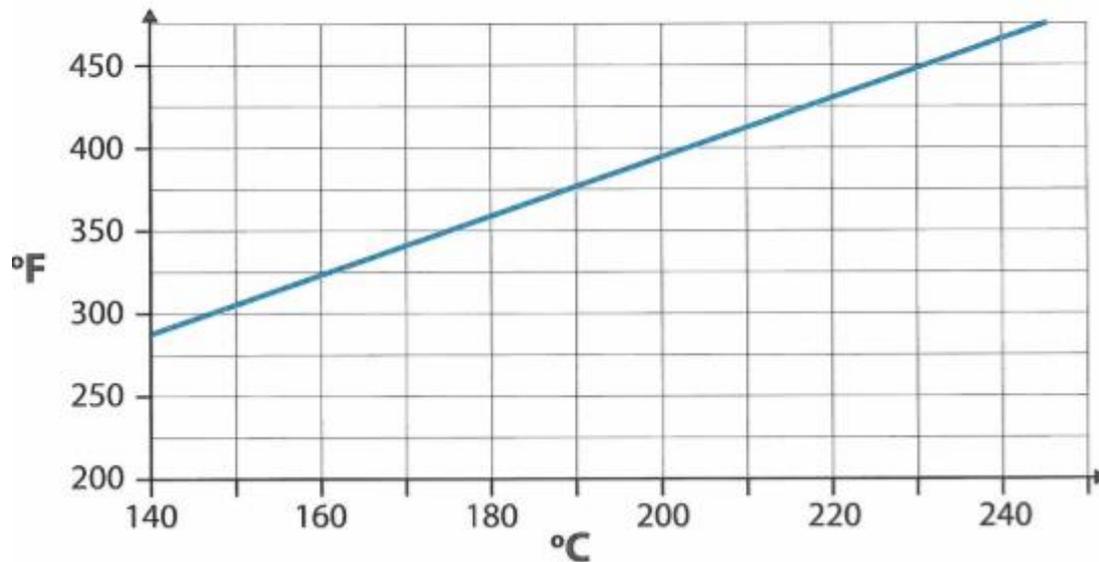
What is the cost of 1kg of these grapes?



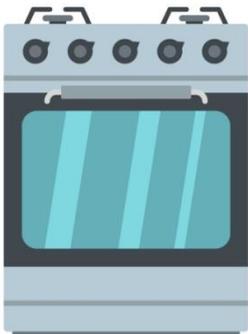
..... (2)

14.

Converting between °C and °F



Use the graph to find the missing temperatures below.



Cake: Cook for 25 minutes at 190°C to 200°C.

Write the missing temperatures to the nearest 25°C.

Cook for 25 minutes at°F to°F. (1)



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. (1)

15. What number is 5 cubed? (1)

16. Complete both values on this electricity bill.

..... units at 21.4 p per unit : total £214.00 (1)

VAT at 5% of the total = £..... (1)

17. Circle the numbers that round to 4000 to **1 significant figure**.

4325

3943

3499

3800

4999

(1)

18. $2\text{m}^2 =$ cm^2 (1)

19. Daisy is 114 cm tall.

Her father is 1m 90cm tall.

Write the ratio of their height in the form 3 : (2)

20. 5 miles is about 8 kilometres.

To the nearest half mile, how many miles is 12 kilometres? (1)

21. Faysal does a time calculation. His calculator shows **5.4**
 an answer in minutes.
 How long is this, in minutes and seconds?
 5 minutes and seconds (1)

22. A gardener charges £20 an hour.
 He reduces his prices by 30% for some customers.
 What is his reduced price? £ per hour. (1)

23. Work out $\frac{1}{4} + \frac{2}{5} + \frac{3}{20}$
 Write your answer as a fraction in its simplest form.
 (2)

24. A company makes a new flavouring of crisps.
 They plan a large survey to find out if people like them. Tick the question below that best avoids bias (is fairest.)



- Are these the best crisps you have had this week?
- Everyone that we have asked likes our new crisps. Do you?
- On a scale of 1 (poor) to 5 (very good), how would you rate our new crisps?
- Which word describes our new crisps? Excellent/ Brilliant/ Good. (1)

25. 20% of a number is 16.

What is 75% of the number? (1)

26. These three numbers have a mean of 6 and a range of 0.

6	6	6
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Write three numbers that have a mean of 6 and a range of 6.

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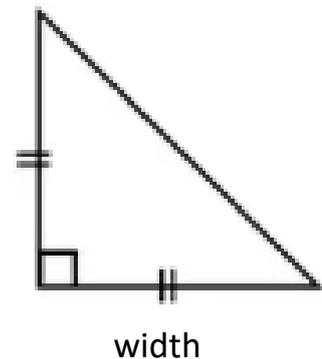
(1)

27. This triangle is an **isosceles** triangle. (not drawn full size)

Its area is 72 cm^2 .

What is the width of the triangle? (1)

..... cm



(1)

28. $A = \sqrt{3^2 + 4^2}$, work out the value of A.

A = (2)

END OF TEST. GO BACK AND CHECK YOUR WORK