

YEAR 8 PROCEDURAL TEST A

NAME:

Score: / 36

1. $6 \times 8 \div (4 \times 3) = \dots\dots\dots$ (1)

2.

All DVDs £7.99

 How many DVDs can you buy with £50?
 (1)

3. Find 25% of £56 (1)

4.

Time in Cardiff 09:00	Time in Boston 04:00
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Later that day it is 15 : 30 in Cardiff. What time is it in Boston?
 (1)

5. Complete this table

	Greater than $\frac{1}{4}$	Less than $\frac{1}{4}$
2	✓	
0.08		
$\frac{1}{3}$		
0.3		

(1)

6. 0.8 km = metres (1)

7. 12×14 (1)

8. **Subtract** 0.06 from 0.3 (1)

9. **Complete this invoice**

<p>..... hours at £45 for each hour: total cost £ 315</p> <p style="padding-left: 40px;">Plus tax at 10% of the total cost £</p> <p style="text-align: right; padding-right: 40px;">Grand total £</p>
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(2)

10. Work out how many fifths there are in $2\frac{1}{5}$
 (1)

11. 250g of Salmon costs £3.75. How much is that per 100g?
 (2)

12. $800 \times \dots = 0.8$ (1)

13. Alfie knows that 4 pints = 2.27 litres. How many litres in 10 pints?
 litres (2)

14.

MENU	
Fish & Chips	£7.99
Jacket Potato	£3.85
Lasagne	£4.99

Some friends order 2 lasagne, 3 fish and chips and 1 jacket potato.

Estimate the total cost, to the nearest £.

.....
 (1)

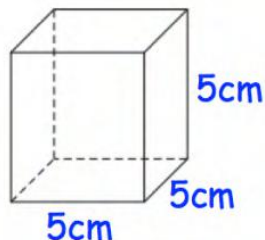
15. $2.24 + 2.25 + 2.26 = \dots\dots$ (1)

16. Round 888, 888 to **three** significant figures (1)

Round 234.784 to 1 decimal place (1)

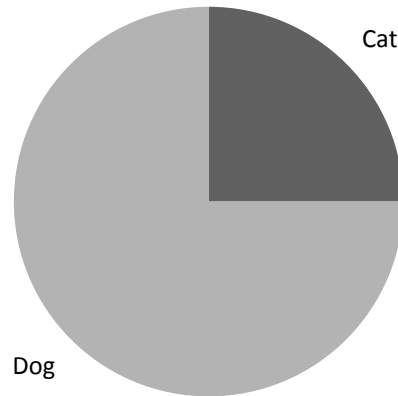
17. $1 \text{ m}^2 = \dots\dots\dots \text{ cm}^2$ (1)

18. Work out the volume of this cube



..... cm^3 (1)

19. Pie chart to show the proportion of cats and dogs owned by year 8



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

If there are 16 pets altogether, how many dogs are there? (1)

20. Work out $4^3 - 4^2$ (1)

21. Circle the fraction that is nearest to 0.7.

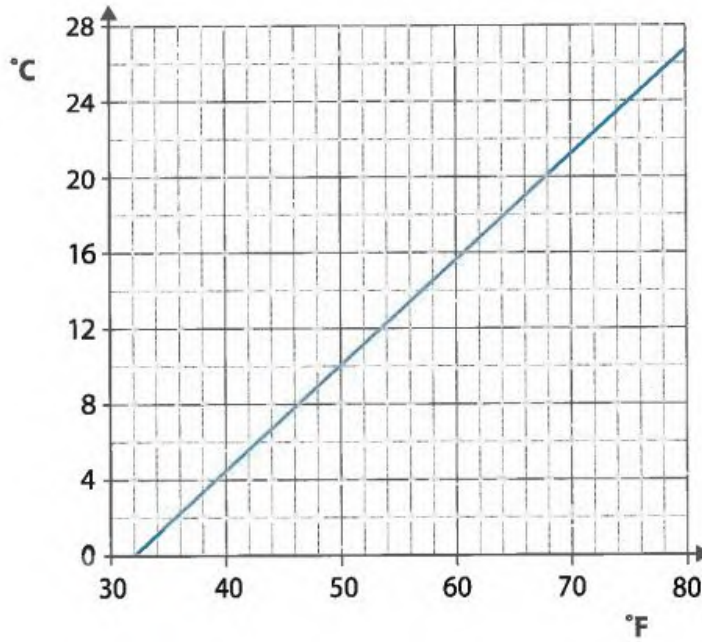
$\frac{2}{3}$ $\frac{4}{5}$ $\frac{3}{5}$ $\frac{13}{20}$ (1)

22. The reciprocal of $\frac{3}{4}$ is (1)

23. The perimeter of a square is 32cm. What is the area?
 cm² (1)

24.

Changing between °F and °C

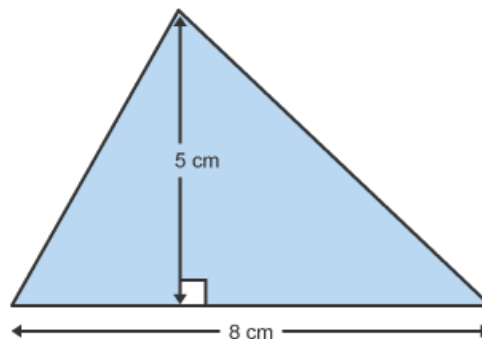


21 °C = °F (1)

When the temperature goes up by 14 °C, what does it go up by in °F?

..... °F (1)

25. Work out the area of this shape



..... cm² (2)

26. Catherine is working out a problem on her calculator and gets an answer of 4.9 minutes. How long is this in minutes and second?

4 minutes and seconds. (1)

27. This exercise bike was £450. If the price is now £270, what is the percentage reduction?



..... % (1)

28. Restaurants in Wales are given a hygiene rating. Megan collates information for 10 restaurants.

6 had a hygiene rating of 5
 3 had hygiene rating of 4
 1 had a hygiene rating of 3

Work out the mean hygiene rating.

..... (2)

END OF TEST. GO BACK AND CHECK YOUR WORK