

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

3. Find 25% of £56 ..... (1)

4. 

Time in Cardiff 09:00
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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.  $12 \times 14$  (1)

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

9. **Complete this invoice**

..... hours at £45 for each hour: total cost	£ 315
Plus tax at 10% of the total cost	£ .....
Grand total	£ .....

(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)

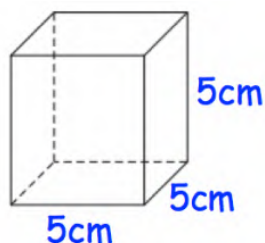
15.  $2.24 + 2.25 + 2.26 = \dots\dots$  (1)

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

Round 234.784 to 1 decimal place ..... (1)

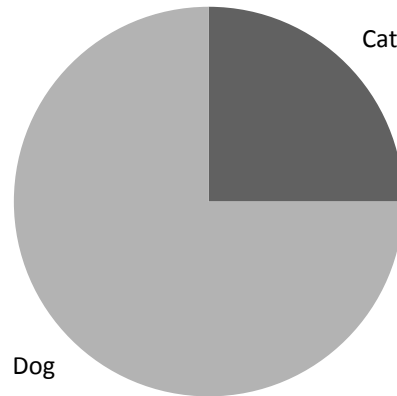
17.  $1 \text{ m}^2 = \dots\dots\dots \text{ cm}^2$  (1)

18. Work out the volume of this cube



.....  $\text{ cm}^3$  (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.

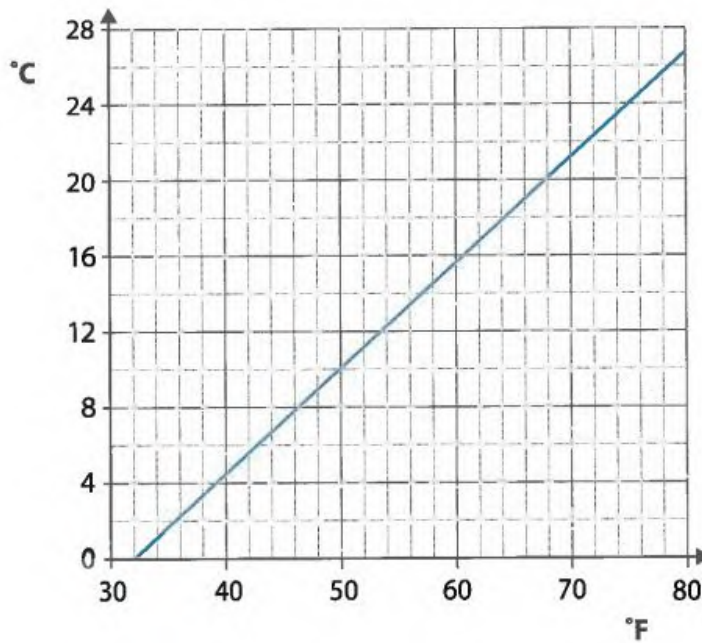
$\frac{2}{3}$        $\frac{4}{5}$        $\frac{3}{5}$        $\frac{13}{20}$  (1)

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

23. The perimeter of a square is 32cm. What is the area?  
 ..... cm<sup>2</sup> (1)

24.

Changing between °F and °C

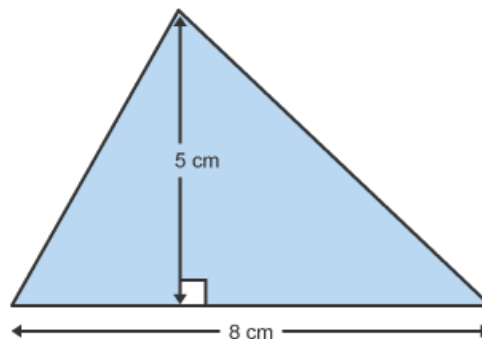


21 °C = ..... °F (1)

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



..... cm<sup>2</sup> (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**