

YEAR 7 PROCEDURAL TEST A

SOLUTIONS

NAME:

Score: / 35

1. $368 - 170 - 30 = 168$ (1)

$65 + 67 = 132$ (1)

2. Write $\frac{3}{10}$ as a percentage. **30 %** (1)

3. Sarah has £13.99. Noah has £42.35. How much **more** does Noah have than Sarah?

£ 28.36

..... (1)

4. Nathaniel weighs some potatoes. He says they weigh 2320 grams.

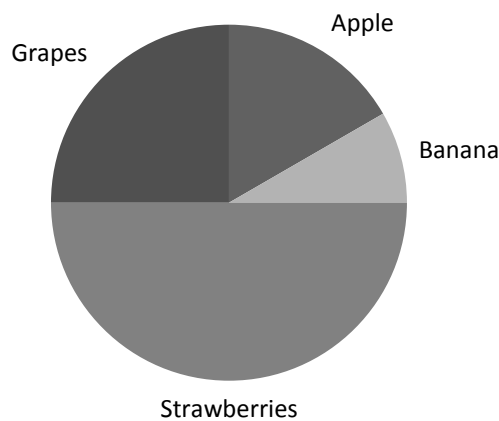


How much is this in kilograms? **2.32 kilograms or 2.320 kilograms** (1)

5. What number is ten less than one million. **999, 990** (1)

6. There are 15 boys and 25 girls. What is the ratio of boys to girls? Write your answer as simply as possible. **15 : 25 which simplifies to 3 : 5** (1)

7. **Pie Chart to show favourite fruit**



If 30 people chose strawberry, how many were asked altogether?

60 (1)

A quarter of those asked chose grapes. Twice as many people chose apple than banana. How many people chose apple?

10 (1)

8. $2 \times \mathbf{28} = 8 \times 7$ (1)

9. Caitlin wants to go the cinema. She makes a list of her costs.

Costs
£4.95
£3.55
£2.45
£2.99

Estimate the total cost. **$5 + 3.50 + 2.50 + 3 = £14$** (1)

10. A train leaves Bridgend at 15:10 and arrives at Carmarthen at 16: 47.
How long is the train journey in **minutes**?

$$\mathbf{1 \text{ hour} + 37 \text{ minutes} = 97 \text{ minutes}} \quad (1)$$

11. Write the number that is halfway between -8 and 12. **2** (1)

12. Oliver is training for a 10km race by running around a 400 metre track.
How many laps must he do to run 10km?

$$\mathbf{10,000 / 400 = 25 \text{ laps}} \quad (1)$$

13. Anna is making a fruit punch using lemonade, orange juice and cranberry juice in the ratio 5: 2: 1. If she uses 100ml of orange juice she will need

250 ml of lemonade

50 ml of cranberry juice. (1)

14. $88.8 - 8.88 = \mathbf{79.92}$ (1)

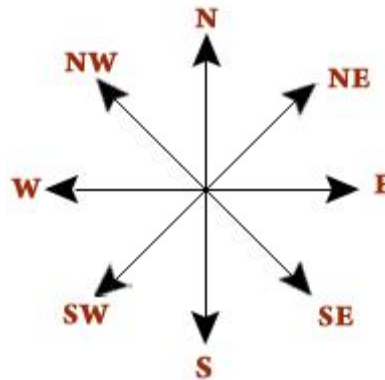
15. Work out 5 % of 840 **42** (1)

16. Work out 13.31 multiplied by 3 **39.93** (1)

17. $0.74 \times 5 = \mathbf{3.7}$ (1)

$$4 \div 0.2 = \mathbf{20} \quad (1)$$

18. Rhiannon faces south and turns **anticlockwise** through 135° .



Which direction is she facing now? **NE** (1)

19. Increase £48.00 by 10 %

$$10\% = \text{£}4.80$$

$$\text{£}48.00 + \text{£}4.80 = \text{£}52.80 \quad (2)$$

$$20. \quad 3 \times (5 - 2) + 8 = \text{17} \quad (1)$$

$$8 + (7 - 4)^2 = \text{17} \quad (1)$$

$$40^2 = \text{1600} \quad (1)$$

$$\sqrt{16} + \sqrt{144} = 4 + 12 = \text{16} \quad (1)$$

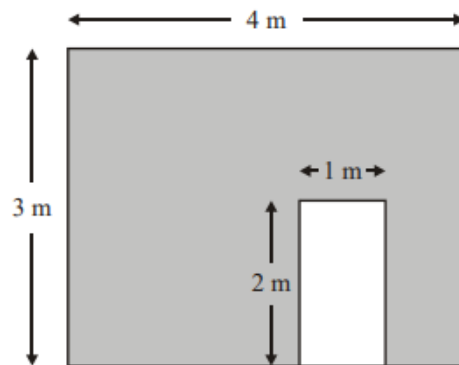
21. Write $<$ or $>$ or $=$ in each gap.

$$35\% = 0.35$$

$$0.35 < \frac{3}{5} \quad (1)$$

22. Write $0.33\dot{3}$ as a fraction $\frac{1}{3}$ (1)

23. Cerys is decorating and draws a diagram of the wall she wants to paper. It also shows the door. Work out the area of the wall to be papered.



$$\text{Area} = 4 \times 3 - 2 \times 1 = 12 - 2 = 10 \text{ m}^2 \quad (2)$$

24. Megan knows the **mean** time that she cycled for over five days is 30 minutes.



If on the first four days she cycled for 25 minutes, 34 minutes, 28 minutes and 30 minutes, how long did she cycle for on the last day?

$$\text{Mean} = 30 \text{ minutes, so Total} = 30 \times 5 = 150 \text{ minutes}$$

$$\text{Total for 4 days} = 25 + 34 + 28 + 30 = 127 \text{ minutes}$$

$$\text{So 5}^{\text{th}} \text{ day} = 150 - 127 = 23 \text{ minutes} \quad (2)$$

25. Work out $884 \div 26 = 34$ (2)

END OF TEST. GO BACK AND CHECK YOUR WORK