

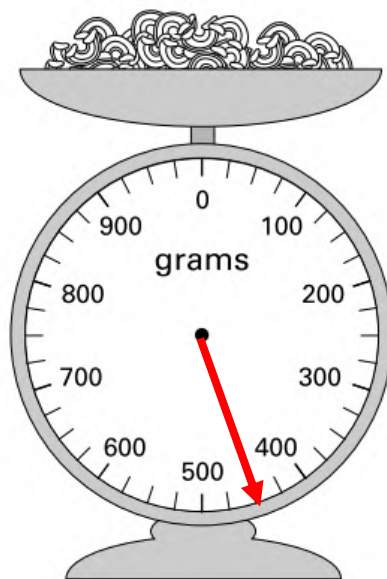
YEAR 6 PROCEDURAL TEST A

SOLUTIONS

NAME:

Score: / 35

1. Draw an arrow on the diagram to show that the noodles weigh 450g.



(1)

2. $9 \times 5 = 45$ (1)

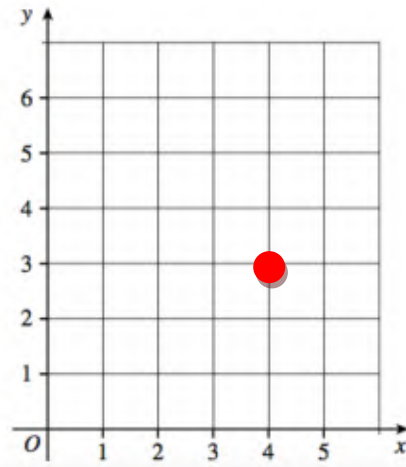
$8 \times 11 = 88$ (1)

3. Write these numbers in figures:

Seven thousand and thirty-two **7032** (1)

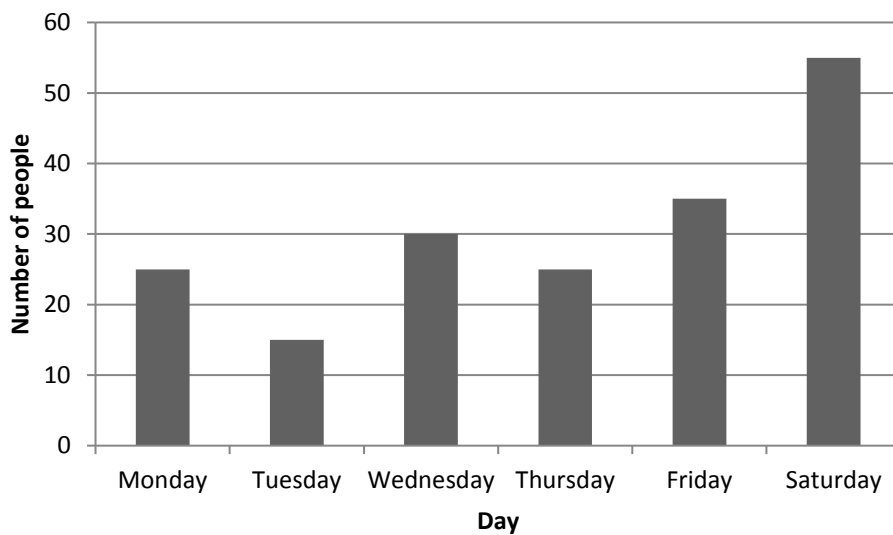
Two million **2000000** (1)

4. Plot the point $A = (4, 3)$



(1)

5. **Number of people visiting the library**



How many people visited on a **Tuesday**? **15** people (1)

More people went on **Saturday** compared to **Monday**. How many more?

55 – 25 = 30 more (1)

6. Write symbols to complete the number sentence.

$$514 \times 161 = 82754$$

So, $82754 \div 161 = 514$ (1)

7.



Exercise books are 75p each

Or

Special Offer: Buy 4 for £2.45

How much cheaper is it to buy 4 using the special offer than 4 at full price?

Full price = 75p x 4 = 300p

You save 300 – 245 = 55p (1)

8. 50 % of 320 = **160** (1)

10 % of **80** = 8 (1)

9.



Average temperature in the **fridge** compartment is

5°C

Average temperature in the **freezer** compartment is

-18°C

How much colder is the temperature in the freezer than the fridge?

23°C (1)

10. Divide 480 by 20 **480/20 = 48/2 = 24** (1)

Multiply 40 by 30 **1200** (1)

11. $\frac{2}{3}$ of 90 = **60** (1)

$\frac{3}{7}$ of 35 = **15** (1)

12. Year 6 are making chocolate cookies to sell for charity. They spend the following on ingredients.

Chocolate	£2.50
Eggs	£1
Butter	£1.50
Sugar	£2.50
Flour	£1.50

They make 30 cookies and sell them for 50p each. How much **profit** do they make?

Ingredients cost £9

Sell cookies for 30 x 50p = 1500p = £15

Profit = £15 - £9 = £6 (2)

13. Rhiannon is flying to Benidorm from Cardiff

- Leaves Cardiff at 05:55
- Arrives in Benidorm at 07:35

How many minutes does the flight last? **100** minutes (1)

14.

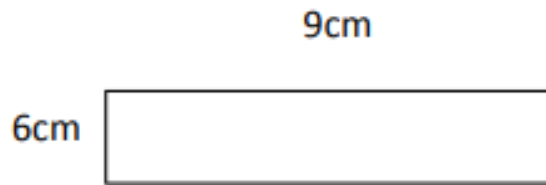


On a school trip there must be

1 adult for every six children!

For 42 children, there must be **7** adults. (1)

15.



Area of rectangle = $L \times W = 9 \times 6 = 54 \text{ cm}^2$ (1)

16. Write < or > or = in each gap to compare the units.

40 centimetres = 0.4 metres

6000 centimetres > 6 metres (1)

17. $0.8 + 0.29 = 1.09$ (1)

18.



Carrots
£1.70 for 1 kilogram

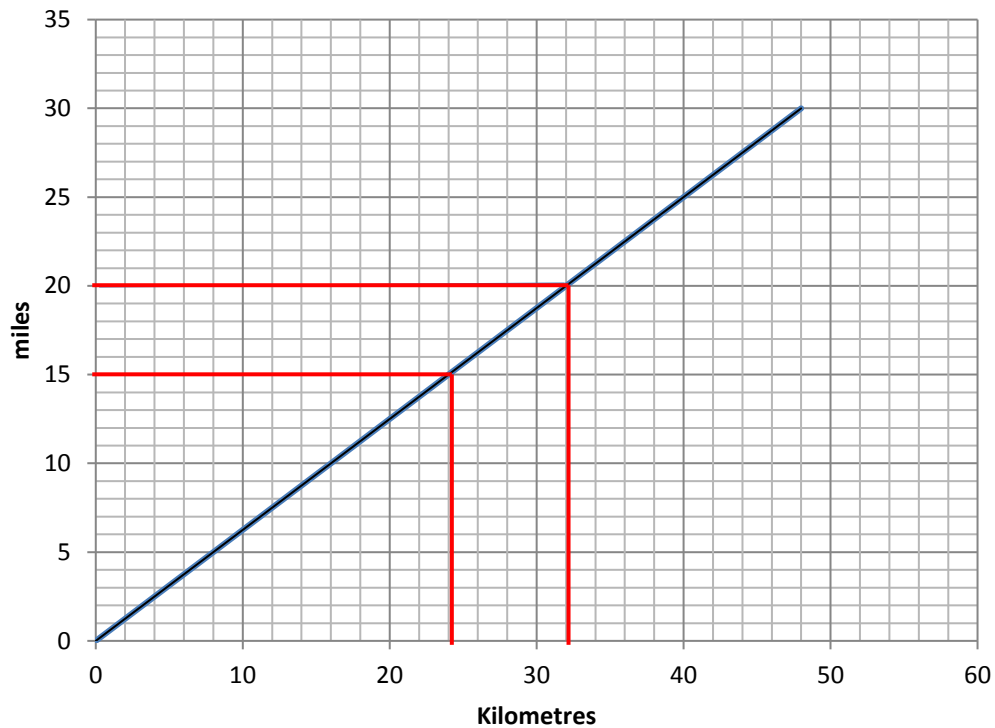
What is the cost of 400 grams of carrots? $100 \text{ g} = 17 \text{ p}$, $400\text{g} = 68 \text{ p}$ (1)

19. If 1 litre = $1 \frac{3}{4}$ pints, how many pints in 2 litres? $3 \frac{1}{2}$ or $3 \frac{2}{4}$ or 3.5 (1)

20. How many 99's in three thousand? Give your answer to the **nearest ten**.

30 (1)

21. **Conversion graph kilometres to miles**



On Monday John cycles 24km. On Friday he cycles 32 km. How many extra miles does he cycle on Friday?

20 – 15 = 5 miles (2)

22. The heights of three dogs were 32 cm, 55 cm and 48 cm. Work out the mean height.

Total of heights = 32 + 55 + 48 = 135 cm

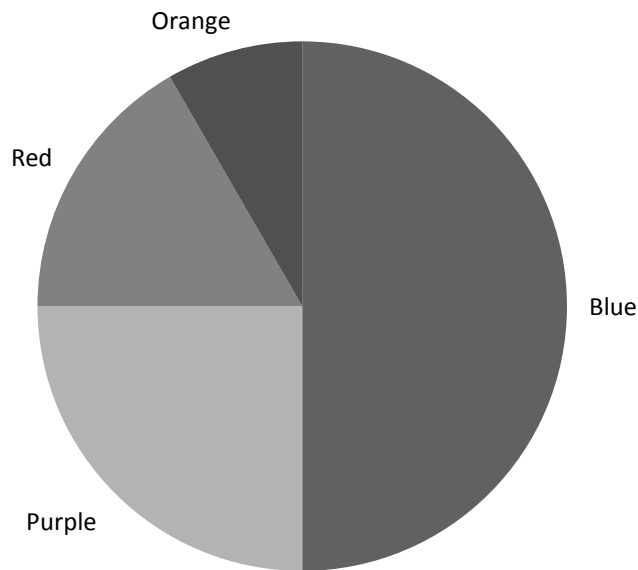
Mean height = Total height/ How many

Mean height = 135 cm / 3 = 45 cm (2)

23. Here is a rule for a number sequence: **subtract 3 then multiply by 2**. Write the two numbers that are missing from the sequence.

8 10 **14** 22 **38** 70 (2)

24. **Pie chart to show favourite colour**



Year 6 did a survey about favourite colour. Two said orange and twice as many said red.

How many said blue? **12**

What fraction said red? $\frac{4}{24}$ or $\frac{1}{6}$ (2)

END OF TEST. GO BACK AND CHECK YOUR WORK