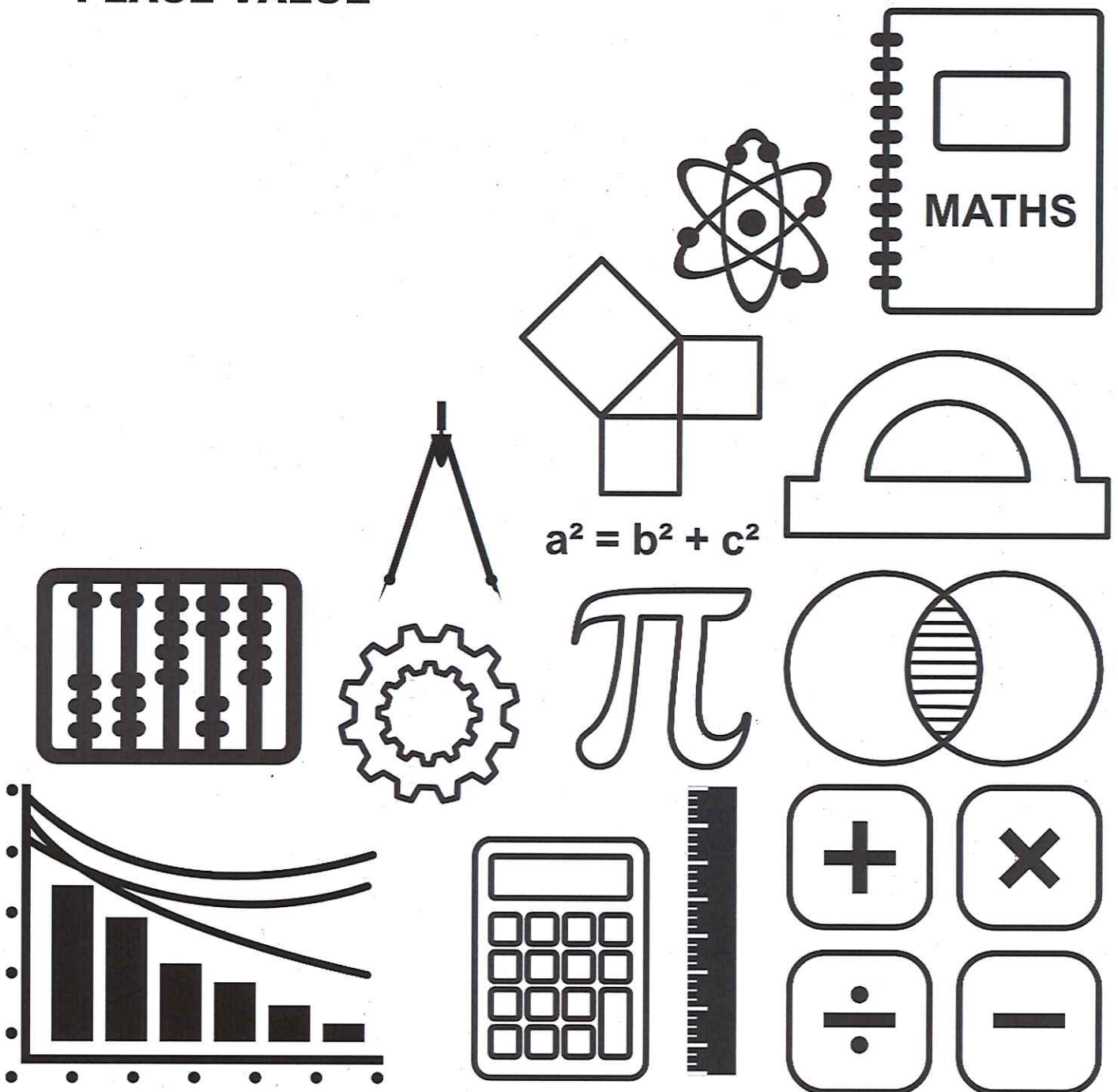


MATHS DIY

SOLUTIONS

GCSE TOPIC BOOKLET PLACE VALUE



1. David bought a car for eight thousand six hundred and five pounds. Write this amount in figures.

8605

(1)

2. Write in figures the number seven thousand four hundred and seven.

7407

(1)

3. Write in figures the number thirty five million.

35 000 000

(1)

4. Write in words the number 55 000 000.

fifty five million

(1)

5. A television costs one thousand and eighty five pounds. Write down the cost of the television in figures.

(£) 1085

(1)

6. Arnold wins £12 000 000. Write this amount in words.

twelve million (pounds)

(1)

7. Write down in figures the number six thousand seven hundred and eight.

6708

(1)

8. 70 29 47 36 24 52 28 63 53

From the list of numbers shown above, write down

a) two numbers which add up to 100,

47, 53

b) two numbers which have a difference of 46.

70, 24

(2)

9. Using all of the digits 2 9 5 7 write down the largest four digit number you can make.

9752

(1)

10. What is the value of the 6 in the number 7863?

tens (60) (sixty)

(1)

11. The number 537 is multiplied by 10. What is the value of the 3 in the answer?

$537 \times 10 = 5370$ hundreds (300) (three hundred)

(1)

12. Using all of the digits 4 9 3 8 write down

a) the largest four digit **even** number you can make.

9834

(1)

a) the smallest four digit **even** number you can make.

3498

(1)

13. The number 6780 is divided by 10. What is the value of the 8 in the answer?

$6780 \div 10 = 678$ units (8)

(1)

14. What is the difference in the values of the 6 in the numbers 4652 and 71 846?

600, 6 difference = $600 - 6$
 = 594

(2)

15. Using all of the digits 6 1 5 8 write down

a) the smallest four digit **even** number you can make.

1568

(1)

a) the largest four digit **even** number you can make.

8516

(1)

16. Four cards showing the digits 2, 3, 4 and 5 are used on a display board to show the total number of people at a concert. The following facts are known.

- There are between four thousand and four thousand five hundred people at the concert.

- Exactly half of the people at the concert were under 30 years old.

4235
 4253
4352
 4325

→ must be an even number at the concert

Using only the four cards showing the digits 2, 3, 4 and 5, give the number of people at the concert.

4	3	5	2
---	---	---	---

(2)

17. A leaflet showed the population of various areas in Wales. It gave the information in words and figures.

a) Complete the entries for the following two places in words and figures.

Anglesey

(words) Sixty-nine thousand and twenty five

(figures) 69 025 (1)

Gwent

(words) five-hundred and fifty thousand (1)

(figures) 550 704 seven hundred and four

b) How much greater was the population of Gwent than the population of Anglesey? Give your answer correct to the nearest 1000.

$$\begin{array}{r}
 \begin{array}{cccccc}
 & 4 & 4 & 6 & 1 & 9 & 1 \\
 & 8 & 8 & 0 & 7 & 0 & 4 \\
 - & 6 & 9 & 0 & 2 & 5 & \\
 \hline
 & 4 & 8 & 1 & 6 & 7 & 9
 \end{array} \\
 \dots\dots\dots \underline{48\ 000} \dots\dots\dots
 \end{array}$$

(2)

18. Using all of the digits 9 7 4 6 write down

a) the smallest four digit number you can make.

..... 4679 (1)

a) the largest four digit odd number you can make.

..... 9764 (1)

19. Write down the value of double two hundred thousand in figures.

(four hundred thousand) 400 000 (1)

20. Write down the value of a quarter of a thousand in figures.

250

(1)

21. Circle three of the following that have the same value as $\frac{2}{10}$.

20%

0.002

0.02

5

0.2

2%

$\frac{1}{5}$

(1)

22. Write down the value of three quarters of a thousand in figures.

750

(1)

23. A stadium announcer is given information on attendance in both words and figures to make sure he reads them correctly.

For example:

'The attendance at last week's match was sixty six thousand, five hundred and seventy

(66570).'

Fill in the blanks for the following two pieces of information.

a) *'Today's attendance is seventy two thousand and thirty four*

(.....72 034.....).'

b) *'The total attendance for our home matches so far this season has been*

five hundred and forty thousand two hundred and seven

(540 207).'

(2)