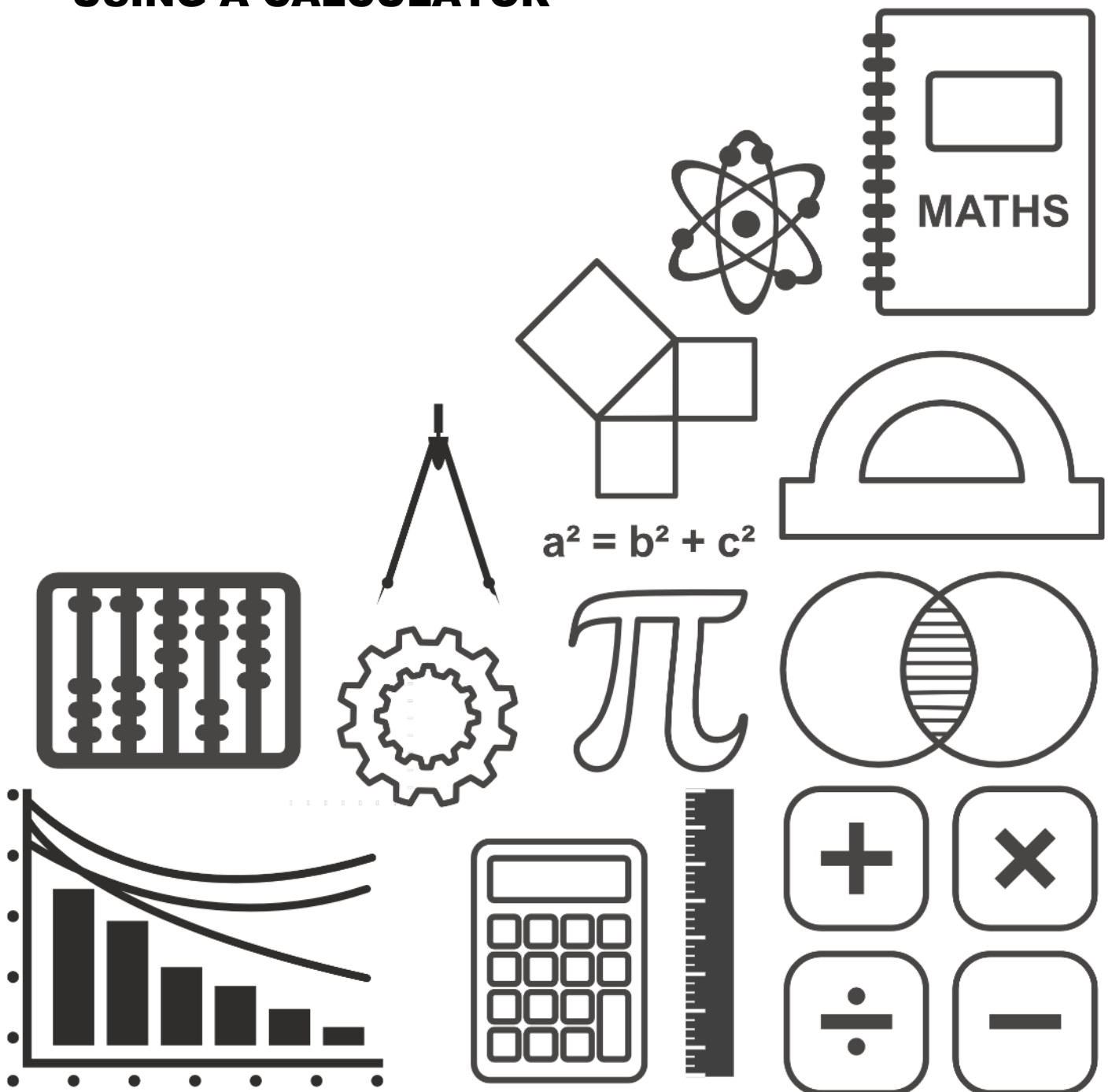


MATHS DIY

GCSE TOPIC BOOKLET USING A CALCULATOR



1. Find $\sqrt{5 \cdot 23^2 + 3 \cdot 21^2}$ giving your answer correct to 3 significant figures.

[2]

2. Evaluate $\frac{2 \cdot 3 \times 4 \cdot 6}{5 \cdot 8 - 3 \cdot 6}$ correct to one decimal place.

[2]

3. Evaluate $3\frac{2}{5} \times 1\frac{2}{3}$.

[2]

4. Evaluate $3\frac{1}{3} \times 1\frac{1}{3}$.

[2]

5. Evaluate 3^{-4} .

[1]

6. Find the value of **each** of the following, giving your answers correct to 2 decimal places.

(i) $(2.34)^5$

.....

(ii) $\sqrt{3.45^3 - (5.6734 - 4.921)}$

.....

[3]

7. Find the value of $\frac{2.6 \times 3.9}{4.8 - 1.5}$, giving your answer to 1 decimal place.

.....

[2]

8. Calculate $\frac{5.6 \times 3.4}{8.1 - 2.7}$ giving your answer correct to two decimal places.

.....

[2]

9. Find $\frac{14.5 \times 33.4}{710.7 - 35.9}$ correct to two decimal places.

.....

[2]

10. Find the value of $\sqrt{3 \cdot 27^2 - 2 \cdot 8}$ correct to three significant figures.

.....

[2]

11. Find $\sqrt{6 \cdot 8^3}$ to 3 significant figures.

.....

[2]

12. (i) Find $\sqrt{3 \cdot 61}$.

.....

(ii) Find the value of $\frac{1}{0 \cdot 8^2}$.

.....

(iii) Find the value of $2^4 \times 3^3$.

.....

(3)

13. Find the value of $(8 \times 10^3) - (2 \times 10^3)$.

.....

[1]

14. Find, in standard form, the value of $\frac{4 \cdot 6 \times 10^{-6}}{2 \times 10^{-4}}$

.....

[2]