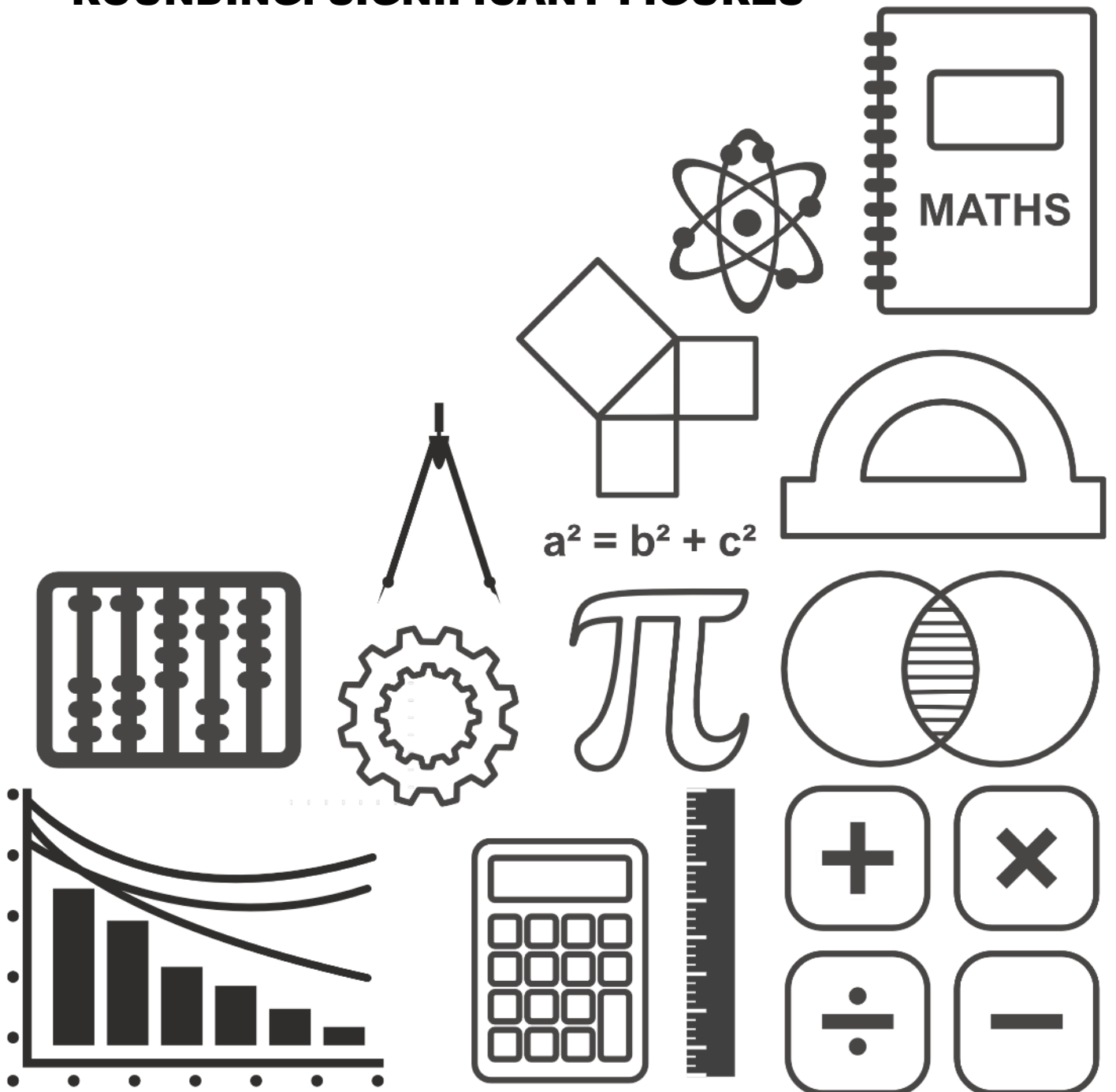


# MATHSDIY

## GCSE TOPIC BOOKLET

### ROUNDING: SIGNIFICANT FIGURES



1. a) Write down 4823 correct to 1 significant figure.  
.....  
(1)

b) Write down 7583 correct to 2 significant figures.  
.....  
(1)

2. a) Write down 0.063732 correct to 3 significant figures.  
.....  
(1)

b) Write down 7934 correct to 2 significant figures.  
.....  
(1)

3. a) Write down 839.7 correct to 3 significant figures.  
.....  
(1)

b) Write down 0.03426 correct to 2 significant figures.  
.....  
(1)

c) Write down 0.07849 correct to 1 significant figure.  
.....  
(1)

4. a) Write down 74.8612 correct to 3 significant figures.  
.....  
(1)

b) Write down 6.0432 correct to 2 significant figures.  
.....  
(1)

5. a) Write down 3742 correct to 3 significant figures.  
.....  
(1)

b) Write down 0.06731 correct to 2 significant figures.  
.....  
(1)

6. a) Write down 45.3475 correct to 3 significant figures.  
.....  
(1)

b) Write down 7462 correct to 2 significant figures.  
.....  
(1)

c) Write down 7.49163 correct to 2 significant figures.  
.....  
(1)

7. a) Write down 23.68267 correct to 3 significant figures

.....  
 ..... (1)

b) Write down 38 741 correct to 2 significant figures.

.....  
 ..... (1)

8. Find the value of

a)  $\frac{43.73 \times 26.23}{523.9 - 26.74}$ , giving your answer correct to three significant figures.

.....  
 ..... (2)

b)  $\sqrt{(24.6 - 13.8)^3}$ , giving your answer correct to two significant figures.

.....  
 ..... (2)

c)  $\sqrt{(4.3^3 \div 52)}$ , giving your answer correct to three significant figures.

.....  
 ..... (2)

9. Find the value of the following, giving each answer correct to four significant figures.

a)  $5.8^2 - 4.79 + \sqrt{34.5 \div 9.64}$

.....  
 .....

(2)

b)  $\frac{854.7}{(43.2 - 37.6)^3}$

.....  
 .....

(2)

10. Find the value of the following, giving each answer correct to two significant figures.

a)  $\sqrt{25.6^3 - 17.2}$

.....  
 .....

(2)

b)  $\frac{5.2^2 - \sqrt{46}}{4}$

.....  
 .....

(2)