

# MATHEMATICS

## P1

2017 - 2023

### QUESTIONS + ANSWERS

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## MATHEMATICS 0580

### TOPICAL PAST PAPER WORKSHEETS

2017 - 2023 | Questions + Mark scheme

#### AVAILABLE PAPERS

**P1**

977 Questions

**P2**

987 Questions

**P3**

391 Questions

**P4**

443 Questions

[www.exam-mate.com](http://www.exam-mate.com)

TOPICS	P1	P2	P3	P4
Numbers	387	279	123	61
Algebra	135	222	49	62
Mensuration	52	46	40	46
Geometry	158	105	72	41
Trigonometry	37	61	25	55
Lines	23	28	13	17
Graphs	7	30	44	39
Sets	12	27	11	9
Vectors	28	29	6	16
Matrices	0	10	0	3
Transformation	5	15	40	31
Statistics	60	41	62	43
Probability	40	31	25	27
Functions	0	16	0	26
Linear Programming	0	14	0	6
Sequences	23	22	18	16
Differentiation	0	4	0	19

1 - (0580/11\_Summer\_2017\_Q1) - *Number Facts*

Write, in figures, the number seventy thousand and twenty.

..... [1]

2 - (0580/11\_Summer\_2017\_Q3) - *Decimals*

The thickness of one sheet of paper is  $8 \times 10^{-3}$  cm.

Work out the thickness of 250 sheets of paper.

..... cm [1]

3 - (0580/11\_Summer\_2017\_Q6) - *Number Facts*

31

33

35

37

39

From the list, write down a prime number.

..... [1]

4 - (0580/11\_Summer\_2017\_Q7) - *Number Facts*

Write 23.4571 correct to

(a) 4 significant figures,

..... [1]

(b) the nearest 10.

..... [1]

5 - (0580/11\_Summer\_2017\_Q9) - Number Facts

Find the highest common factor (HCF) of 126 and 150.

..... [2]

6 - (0580/11\_Summer\_2017\_Q10) - Number Facts

The table shows the temperatures in five places at 10 am one day in January.

Place	Temperature ( $^{\circ}\text{C}$ )
Helsinki	-7
Chicago	-10
London	3
Moscow	-4
Bangkok	26

(a) Which place was the coldest?

..... [1]

(b) At 2pm the temperature in Helsinki had increased by  $4^{\circ}\text{C}$ .

Write down the temperature in Helsinki at 2pm.

.....  $^{\circ}\text{C}$  [1]

7 - (0580/11\_Summer\_2017\_Q12) - *Number Facts*

The mass,  $m$  kilograms, of an elephant is 3570 kg, correct to the nearest 5 kg.

Complete this statement about the value of  $m$ .

$$\dots \leq m < \dots \quad [2]$$

8 - (0580/11\_Summer\_2017\_Q14) - *Foreign Exchange*

Manuel changes 5000 Mexican Pesos to dollars.  
He receives \$336.

Complete this statement about the exchange rate.  
Give your answer correct to 2 decimal places.

$$\text{\$1} = \dots \text{ Mexican Pesos} \quad [2]$$

9 - (0580/11\_Summer\_2017\_Q18) - *Number Facts*

(a) Work out.

$$3 + 2 \times -4$$

$$\dots [1]$$

(b) In each of these, insert one pair of brackets to make the statement correct.

(i)  $3 \times 5 + 2 + 2 = 23$  [1]

(ii)  $12 \div 4 + 2 = 2$  [1]

# ANSWERS

[www.exam-mate.com](http://www.exam-mate.com)

1 - (0580/11\_Summer\_2017\_Q1) - *Number Facts***70 020 cao**2 - (0580/11\_Summer\_2017\_Q3) - *Decimals***2**3 - (0580/11\_Summer\_2017\_Q6) - *Number Facts***31 or 37**4 - (0580/11\_Summer\_2017\_Q7) - *Number Facts*

(a)	23.46 cao
(b)	20 cao

5 - (0580/11\_Summer\_2017\_Q9) - *Number Facts***6**6 - (0580/11\_Summer\_2017\_Q10) - *Number Facts*

(a)	Chicago
(b)	-3

7 - (0580/11\_Summer\_2017\_Q12) - *Number Facts*

$$\begin{array}{r} 3567.5 \\ \hline 3572.5 \end{array}$$
8 - (0580/11\_Summer\_2017\_Q14) - *Foreign Exchange***14.88**9 - (0580/11\_Summer\_2017\_Q18) - *Number Facts*

(a)	-5
(b)(i)	$3 \times (5 + 2) + 2 = 23$
(b)(ii)	$12 \div (4 + 2) = 2$