Cambridge IGCSE

MATHEMATICS

0580 - P1

2020 - 2025

QUESTIONS + ANSWERS

1 – (0580/11_Summer_2020_Q1) – *Number Facts*

Write down the value of the 7 in the number 570 296.

..... [1]

2 – (0580/11_Summer_2020_Q2) – *Number Facts*

The table shows the temperature, in °C, at midday on the first day of each month during one year in a city.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
9	11	15	19	23.5	27.5	29	28	25	19.5	14.5	10

Calculate the mean of these temperatures.

.....°C [2]

3 – (0580/11_Summer_2020_Q3) – *Number Facts*

Write these numbers in order, starting with the smallest.

$\frac{13}{201}$ 5.6% 0.065 $\frac{5}{89}$

..... < ..... < ..... < ..... [2]

smallest

4 – (0580/11_Summer_2020_Q6) – *Number Facts, Foreign Exchange, Speed,distance And Time*

(a) Diego flies from Madrid to Buenos Aires.
His flight leaves at 20 55 and arrives at 03 50 local time.
The local time in Buenos Aires is 5 hours behind the local time in Madrid.

Work out, in hours and minutes, the time the flight takes.

..... h ..... min [2]

(b) Diego changes 200 euros into Argentine Peso.
The exchange rate is 1 euro = 24.8 pesos.

Work out how many pesos he receives.

..... pesos [1]

(c) The distance between Madrid and Buenos Aires is 10 050 km.
Diego's return flight takes 12 hours 30 minutes.

Calculate the average speed, in km/h, for the return flight.

..... km/h [1]

5 – (0580/11_Summer_2020_Q8) – *Number Facts*

Find the highest **odd** number that is a factor of 60 and a factor of 90.

..... [1]

6 – (0580/11_Summer_2020_Q16) – *Standard Form*

(a) Write the number 0.0605 in standard form.

..... [1]

(b) Calculate $(1.63 \times 10^{12}) \times (2.47 \times 10^{-1})$.
Give your answer in standard form.

..... [1]

7 – (0580/11_Summer_2020_Q19) – *Upper And Lower Bound*

The length, l cm, of a sheet of paper is 29.7 cm, correct to the nearest millimetre.

Complete this statement about the value of l.

..... $\leqslant l <$ ..... [2]

8 – (0580/11_Summer_2020_Q20) – *Number Facts*

Without using a calculator, work out $\left(2\frac{1}{3}-\frac{7}{8}\right)\times\frac{6}{25}$.

You must show all your working and give your answer as a fraction in its simplest form.

..... [4]

9 – (0580/11_Summer_2020_Q21) – *Simple And Compound Interest*

Lucia invests $5000 at a rate of 4.5% per year compound interest.

Calculate the value of her investment at the end of 7 years.

$ ..... [2]

10 – (0580/12_Summer_2020_Q1) – *Approximation And Estimation*

(a) Write in figures the number fifty-three thousand and thirty-five.

..... [1]

(b) Write 8379 correct to the nearest hundred.

..... [1]

11 – (0580/12_Summer_2020_Q3) – *Number Facts*

Write down the reciprocal of 10.

..... [1]

12 – (0580/12_Summer_2020_Q5) – *Number Facts*

Put one pair of brackets in each statement to make it correct.

(a) 16 ÷ 8 + 4 × 2 = 1 [1]

(b) 16 ÷ 8 + 4 × 2 = 12 [1]

ANSWERS

1 – (0580/11_Summer_2020_Q1) – *Number Facts*

	70 000	**1**	

2 – (0580/11_Summer_2020_Q2) – *Number Facts*

	19.25	**2**	**M1** for sum of 12 numbers ÷ 12

3 – (0580/11_Summer_2020_Q3) – *Number Facts*

	5.6% $\frac{5}{89}$ $\frac{13}{201}$ 0.065	**2**	**B1** for 3 in correct order or **M1** for 0.0647 0.056 0.0562 seen oe

4 – (0580/11_Summer_2020_Q6) – *Number Facts, Foreign Exchange, Speed,distance And Time*

(a)	11[h] 55[min]	**2**	**B1** for 08 50 or 15 55 or 6[h] 55[min] seen
(b)	4960	**1**	
(c)	804	**1**	

5 – (0580/11_Summer_2020_Q8) – *Number Facts*

	15	**1**	

6 – (0580/11_Summer_2020_Q16) – *Standard Form*

(a)	6.05×10^{-2}	**1**	
(b)	4.0261×10^{11}	**1**	

7 – (0580/11_Summer_2020_Q19) – *Upper And Lower Bound*

	29.65 29.75	**2**	**B1** for each If 0 scored, **SC1** for both correct but reversed

8 – (0580/11_Summer_2020_Q20) – *Number Facts*

	$\frac{56}{24} - \frac{21}{24}$	**M2**	**M2** for correct method for common denominator or **B1** for $\frac{7}{3}$
	their $\frac{35}{24} \times \frac{6}{25}$	**M1**	
	$\frac{7}{20}$	**A1**	