

Cambridge IGCSE

MATHEMATICS

0606 - P1

2020 - 2024

QUESTIONS + ANSWERS

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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 .

..... $\leq l <$ [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]

ANSWERS

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

	70000	1	
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2 - (0580/11_Summer_2020_Q2) - *Number Facts*

	19.25	2	M1 for sum of 12 numbers $\div 12$
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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
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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	
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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
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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	