

Cambridge IGCSE
Topical Past Paper

INTERNATIONAL MATHEMATICS

0607 P1

2020 - 2025
QUESTIONS + ANSWERS

CH1	Number	Page 1
CH2	Algebra	Page 97
CH3	Functions	Page 144
CH4	Coordinate Geometry	Page 158
CH5	Geometry	Page 182
CH6	Vectors & Transformation	Page 225
CH7	Mensuration	Page 247
CH8	Trigonometry	Page 267
CH9	Sets	Page 274
CH10	Probability	Page 293
CH11	Statistics	Page 317

1 - (0607/11_Summer_2020_Q1)

Write 73% as a fraction.

..... [1]

2 - (0607/11_Summer_2020_Q2)

Write down all the factors of 11.

..... [1]

3 - (0607/11_Summer_2020_Q7)

Work out.

$$30 - 5 \times 7 + 1$$

..... [1]

4 - (0607/11_Summer_2020_Q12)

Change 4m 25cm into millimetres.

..... mm [1]

5 - (0607/11_Summer_2020_Q13)

Simplify the ratio 10:15 .

..... : [1]

6 - (0607/11_Summer_2020_Q14)

Work out 2^5 .

..... [1]

7 - (0607/11_Summer_2020_Q17)

Write down the integers that satisfy the inequality $3 < n < 7$.

..... [1]

8 - (0607/12_Summer_2020_Q1)

(a) Write the number 30 000 010 in words.

..... [1]

(b) Write the number thirty thousand and one hundred in figures.

..... [1]

9 - (0607/12_Summer_2020_Q2)

Work out.

$$16 - 5 + 2$$

..... [1]

10 - (0607/12_Summer_2020_Q5)

Complete the statement with $<$, $=$ or $>$.

200 80 [1]

11 - (0607/12_Summer_2020_Q10)

Work out 0.1×0.3 .

..... [1]

12 - (0607/12_Summer_2020_Q11)

This table shows the distances, in kilometres, between four cities in the USA.

Boston			
1580	Chicago		
4800	3243	Los Angeles	
2414	2218	4394	Miami

Write down the distance between Boston and Miami.

..... km [1]

Write down the name of the nearest city to Chicago.

..... [1]

13 - (0607/12_Summer_2020_Q12)

The probability that a light bulb is faulty is 5%.

Find the probability that a light bulb is not faulty.

..... [1]

14 - (0607/12_Summer_2020_Q16)

Carlo drives 150 km in 2 hours.

Work out his average speed.

..... km/h [1]

15 - (0607/11_Winter_2020_Q1)

Work out.

$$15 \div 3 + 2$$

..... [1]

16 - (0607/11_Winter_2020_Q2)

Change 400 centimetres into metres.

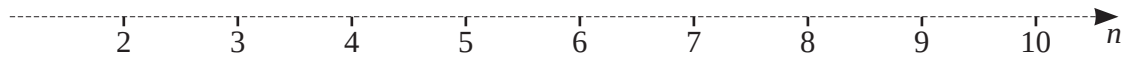
..... m [1]

17 - (0607/11_Winter_2020_Q11)

Write 526.316 correct to 2 significant figures.

..... [1]

18 - (0607/11_Winter_2020_Q15)

Show the inequality $4 \leq n < 9$ on the number line.

[2]

19 - (0607/11_Winter_2020_Q22)

Find the lowest common multiple (LCM) of 10 and 12.

..... [2]

20 - (0607/12_Winter_2020_Q1)

Work out.

$$-3 + 5$$

..... [1]

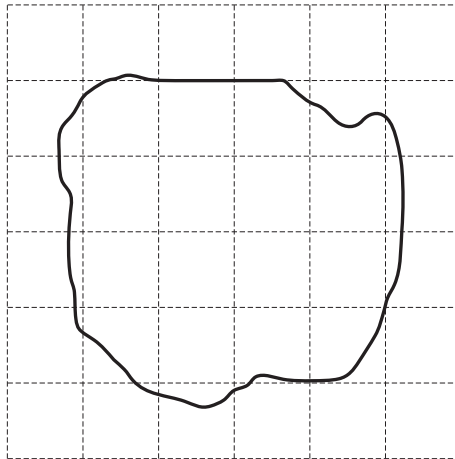
21 - (0607/12_Winter_2020_Q2)

27 32 35 36 39 42

From the list, write down the square number.

..... [1]

22 - (0607/12_Winter_2020_Q4)



The diagram shows a shape on a 1 cm^2 grid.

Estimate the area of this shape.

..... cm^2 [1]

23 - (0607/12_Winter_2020_Q5)

Write $\frac{3}{10}$ as a decimal.

..... [1]

24 - (0607/12_Winter_2020_Q6)

Work out $\frac{3}{11}$ of 77.

..... [1]

25 - (0607/12_Winter_2020_Q7)

Insert brackets to make this calculation correct.

$$3 \times 2 + 4 = 18 \quad [1]$$

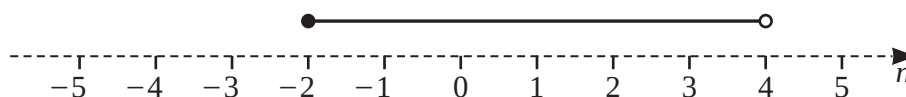
26 - (0607/12_Winter_2020_Q12)

By writing each number correct to 1 significant figure, find an estimate of

$$(6.98 + 3.04) \times 79.92 .$$

..... [2]

27 - (0607/12_Winter_2020_Q13)



Complete the statement using $<$, $\leq$, $=$, $\geq$ or $>$.

This number line shows the inequality $-2 \dots\dots\dots n \dots\dots\dots 4$. [2]

28 - (0607/12_Winter_2020_Q19)

Find the highest common factor (HCF) of 15 and 21.

..... [1]

29 - (0607/13_Winter_2020_Q1)

Work out.

$$-3 + 5$$

..... [1]

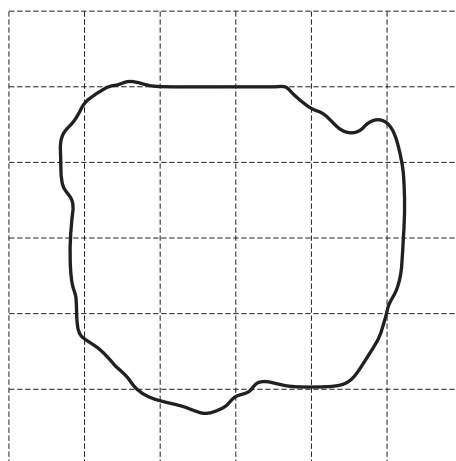
30 - (0607/13_Winter_2020_Q2)

27 32 35 36 39 42

From the list, write down the square number.

..... [1]

31 - (0607/13_Winter_2020_Q4)



The diagram shows a shape on a 1 cm^2 grid.

Estimate the area of this shape.

..... cm^2 [1]

32 - (0607/13_Winter_2020_Q5)

Write $\frac{3}{10}$ as a decimal.

..... [1]

33 - (0607/13_Winter_2020_Q6)

Work out $\frac{1}{11}$ of 77.

..... [1]

34 - (0607/13_Winter_2020_Q7)

Insert brackets to make this calculation correct.

$$3 \times 2 + 4 = 18 \quad [1]$$

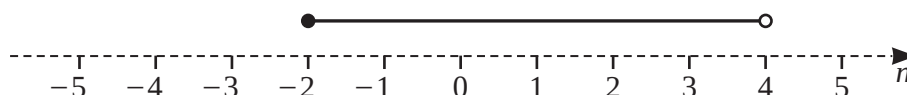
35 - (0607/13_Winter_2020_Q12)

By writing each number correct to 1 significant figure, find an estimate of

$$(6.98 + 3.04) \times 79.92 .$$

..... [2]

36 - (0607/13_Winter_2020_Q13)

Complete the statement using $<$, $\leq$, $=$, $\geq$ or $>$.This number line shows the inequality $-2 \dots n \dots 4$. [2]

37 - (0607/13_Winter_2020_Q19)

Find the highest common factor (HCF) of 15 and 21.

..... [1]

38 - (0607/11_Summer_2021_Q1)

Write 25% as a fraction.

..... [1]

39 - (0607/11_Summer_2021_Q2)

Write down two multiples of 12.

..... [1]

40 - (0607/11_Summer_2021_Q4)

Change 1500 centilitres into litres.

..... litres [1]

41 - (0607/11_Summer_2021_Q5)

Work out.

$$10 - 4 \div 4$$

..... [1]

42 - (0607/11_Summer_2021_Q6)

21 22 23 24 25 26 27

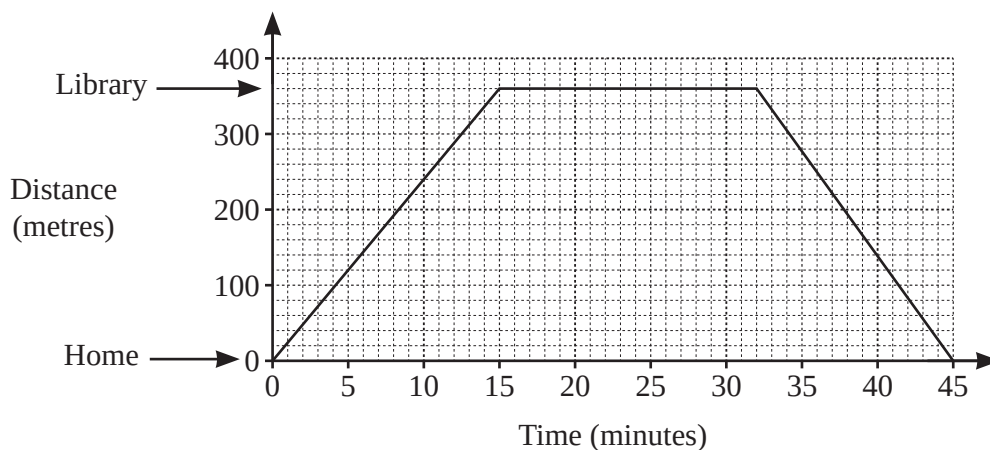
the cube number,

..... [1]

the triangle number.

..... [1]

43 - (0607/11_Summer_2021_Q7)



The travel graph shows Suba's bicycle journey from her home to the library and back.

Write down the distance from Suba's home to the library.

..... m [1]

Write down the number of minutes Suba was in the library.

..... min [1]

44 - (0607/11_Summer_2021_Q10)

Work out 60% of 35.

..... [2]

45 - (0607/11_Summer_2021_Q11)

Simplify.

$$w \times w \times w$$

..... [1]

46 - (0607/11_Summer_2021_Q17)

Find the highest common factor (HCF) of 70 and 80.

..... [1]

47 - (0607/11_Summer_2021_Q18)

A train travels 250 metres in 5 seconds.

Work out its average speed in kilometres per hour.

..... km/h [3]

48 - (0607/12_Summer_2021_Q1)

Write 3262.7 correct to the nearest 100.

..... [1]

49 - (0607/12_Summer_2021_Q2)

Write down the value of 6^2 .

..... [1]

50 - (0607/12_Summer_2021_Q4)

-0.2 $\frac{2}{3}$ 2 $\sqrt{2}$ 2.1

From the list of numbers, write down the integer.

..... [1]

51 - (0607/12_Summer_2021_Q7)

Work out.

$$17 - 3 \times 2$$

..... [1]

52 - (0607/12_Summer_2021_Q11)

Write the ratio 18 : 24 in its simplest form.

..... : [1]

53 - (0607/12_Summer_2021_Q13)

A bus travels at an average speed of 70 km/h.

Find the distance it travels in 4 hours.

..... km [1]

54 - (0607/12_Summer_2021_Q14)

Priya invests \$4500 for 3 years at a rate of 2% per year **simple** interest.

Work out the value of Priya's investment at the end of 3 years.

..... [3]

55 - (0607/12_Summer_2021_Q17)

Change 46 square centimetres into square millimetres.

..... mm² [1]

56 - (0607/12_Summer_2021_Q19)

These are the first five numbers in a sequence.

1 3 9 27 81

(a) Find the next number in this sequence.

..... [1]

(b) Explain how you found your answer to **part (a)**.

..... [1]

57 - (0607/12_Summer_2021_Q21)

Work out.

$$\frac{8 \times 10^{17}}{4 \times 10^6}$$

Write your answer in standard form.

..... [2]

1 - (0607/11_Summer_2020_Q1)

	$\frac{73}{100}$	1	
--	------------------	----------	--

2 - (0607/11_Summer_2020_Q2)

	1 and 11 only	1	
--	---------------	----------	--

3 - (0607/11_Summer_2020_Q7)

	-4	1	
--	----	----------	--

4 - (0607/11_Summer_2020_Q12)

	4250	1	
--	------	----------	--

5 - (0607/11_Summer_2020_Q13)

	2 : 3	1	
--	-------	----------	--

6 - (0607/11_Summer_2020_Q14)

	32	1	
--	----	----------	--

7 - (0607/11_Summer_2020_Q17)

	4, 5, 6	1	
--	---------	----------	--

8 - (0607/12_Summer_2020_Q1)

(a)	thirty million and ten	1	
(b)	30 100	1	

9 - (0607/12_Summer_2020_Q2)

	13	1	
--	----	---	--

10 - (0607/12_Summer_2020_Q5)

	>	1	
--	---	---	--

11 - (0607/12_Summer_2020_Q10)

	0.03	1	
--	------	---	--

12 - (0607/12_Summer_2020_Q11)

(a)	2414	1	
(b)	Boston	1	

13 - (0607/12_Summer_2020_Q12)

	95% oe	1	
--	--------	---	--

14 - (0607/12_Summer_2020_Q16)

	75	1	
--	----	---	--

15 - (0607/11_Winter_2020_Q1)

	7	1	
--	---	---	--

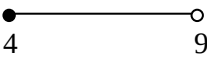
16 - (0607/11_Winter_2020_Q2)

	4[.00]	1	
--	--------	---	--

17 - (0607/11_Winter_2020_Q11)

	530 cao	1	
--	-----------	----------	--

18 - (0607/11_Winter_2020_Q15)

		2	B1 for one inequality presented correctly
--	---	----------	--

19 - (0607/11_Winter_2020_Q22)

	60	2	B1 for $60n$, where n is an integer or M1 for list of at least 5 multiples of 10 and 12
--	----	----------	---

20 - (0607/12_Winter_2020_Q1)

	2	1	
--	---	----------	--

21 - (0607/12_Winter_2020_Q2)

	36	1	
--	----	----------	--

22 - (0607/12_Winter_2020_Q4)

	14 to 17	1	
--	----------	----------	--

23 - (0607/12_Winter_2020_Q5)

	0.3 cao	1	
--	-----------	----------	--

24 - (0607/12_Winter_2020_Q6)

	21 cao	1	
--	----------	----------	--

25 - (0607/12_Winter_2020_Q7)

	$3 \times (2 + 4) = 18$	1	
--	-------------------------	----------	--

26 - (0607/12_Winter_2020_Q12)

	$(7 + 3) \times 80$ and 800	2	M1 for two of 7, 3 and 80 shown
--	-----------------------------	----------	--

27 - (0607/12_Winter_2020_Q13)

	$[-2] \leq [n] < [4]$	2	B1 for each
--	-----------------------	----------	--------------------

28 - (0607/12_Winter_2020_Q19)

	3	1	
--	---	----------	--

29 - (0607/13_Winter_2020_Q1)

	2	1	
--	---	----------	--

30 - (0607/13_Winter_2020_Q2)

	36	1	
--	----	----------	--

31 - (0607/13_Winter_2020_Q4)

	14 to 17	1	
--	----------	----------	--

32 - (0607/13_Winter_2020_Q5)

	0.3 cao	1	
--	---------	----------	--

33 - (0607/13_Winter_2020_Q6)

	21 cao	1	
--	--------	----------	--

34 - (0607/13_Winter_2020_Q7)

	$3 \times (2 + 4) = 18$	1	
--	-------------------------	----------	--

35 - (0607/13_Winter_2020_Q12)

	$(7 + 3) \times 80$ and 800	2	M1 for two of 7, 3 and 80 shown
--	-----------------------------	----------	--

36 - (0607/13_Winter_2020_Q13)

	$[-2] \leq [n] < [4]$	2	B1 for each
--	-----------------------	----------	--------------------

37 - (0607/13_Winter_2020_Q19)

	3	1	
--	---	----------	--

38 - (0607/11_Summer_2021_Q1)

	$\frac{25}{100}$ oe fraction	1	
--	------------------------------	----------	--

39 - (0607/11_Summer_2021_Q2)

	Any two multiples of 12	1	
--	-------------------------	----------	--

40 - (0607/11_Summer_2021_Q4)

	15	1	
--	----	----------	--

41 - (0607/11_Summer_2021_Q5)

	9	1	
--	---	----------	--

42 - (0607/11_Summer_2021_Q6)

(a)	27	1	
(b)	21	1	

43 - (0607/11_Summer_2021_Q7)

(a)	360	1	
(b)	17	1	

44 - (0607/11_Summer_2021_Q10)

	21	2	M1 for $\frac{60}{100} \times 35$ oe
--	----	---	---

45 - (0607/11_Summer_2021_Q11)

	w^3 final answer	1	
--	--------------------	---	--

46 - (0607/11_Summer_2021_Q17)

	10	1	
--	----	---	--

47 - (0607/11_Summer_2021_Q18)

	180 nfw	3	M2 for $\frac{250}{5} \times \frac{60 \times 60}{1000}$ oe or M1 for $\frac{250}{5}$ oe soi or $\frac{60 \times 60}{1000}$
--	---------	---	---

48 - (0607/12_Summer_2021_Q1)

	3300 cao	1	
--	----------	---	--

49 - (0607/12_Summer_2021_Q2)

	36	1	
--	----	---	--

50 - (0607/12_Summer_2021_Q4)

	2	1	
--	---	---	--

51 - (0607/12_Summer_2021_Q7)

	11	1	
--	----	---	--

52 - (0607/12_Summer_2021_Q11)

	3 : 4	1	
--	-------	---	--

53 - (0607/12_Summer_2021_Q13)

	280	1	
--	-----	---	--

54 - (0607/12_Summer_2021_Q14)

	4770	3	M2 for $[4500 +] \frac{4500 \times 2 \times 3}{100}$ oe or M1 for $\frac{4500 \times 2}{100}$ oe
--	------	---	---

55 - (0607/12_Summer_2021_Q17)

	4600	1	
--	------	---	--

56 - (0607/12_Summer_2021_Q19)

(a)	243	1	
(b)	$\times 3$ oe	1	

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