

Q1 June 2018

- 3 Work out the value of 3^5

(Total for Question 3 is 1 mark)

Q2 June 2020

- 5 Here is a list of numbers.

3 4 9 18 27 30 36

From the numbers in the list, write down a cube number.

(Total for Question 5 is 1 mark)

Q3 Nov 2017

21 $p^3 \times p^x = p^9$

(a) Find the value of x .

$$x = \dots\dots\dots$$

(1)

$$(7^2)^y = 7^{10}$$

(b) Find the value of y .

$$y = \dots\dots\dots$$

(1)

$$100^a \times 1000^b \text{ can be written in the form } 10^w$$

(c) Show that $w = 2a + 3b$

(2)

(Total for Question 21 is 4 marks)

Q4 Nov 2018

2 Write down a square number that is also an odd number.

.....

(Total for Question 2 is 1 mark)

Q5 Nov 2018

- 4 Work out the cube root of 64

(Total for Question 4 is 1 mark)

Q6 Nov 2019

- 4 Find the value of $\sqrt{17.64}$

(Total for Question 4 is 1 mark)

Q7 Nov 2019

- 5 Find the value of 6^5

(Total for Question 5 is 1 mark)

Q8 Nov 2020

- 5 Here is a list of numbers.

3 4 9 18 27 30 36

From the numbers in the list, write down a cube number.

(Total for Question 5 is 1 mark)

Q9 Nov 2021

6 Here is a list of whole numbers from 21 to 30

21 22 23 24 25 26 27 28 29 30

(a) From the list, write down a square number.

.....
(1)

(b) From the list, write down a multiple of 8

.....
(1)

(Total for Question 6 is 2 marks)

Q10 Nov 2023

4 Write down a square number that is between 10 and 50

.....
(Total for Question 4 is 1 mark)

Q11 Nov 2024

8 Junaid says that 20 is a square number because $10^2 = 20$

(a) Is Junaid correct?

Give a reason for your answer.

(1)

Chloe says,

“When you divide an even number by an even number the answer is always an even number.”

(b) Write down an example to show that Chloe is wrong.

(1)

(Total for Question 8 is 2 marks)