

Hints for Homework foundation

Non Calculator

Qu 1

- Power laws

Qu 2

- Rounding remember to look at the figure after the number of DP to decide what happens

Qu 3

- Algebra basic rules

Qu 4

- What do you multiply the bottom number by to get to 100 do the same for the top that's then the %

Qu 5

- Work out 10%

Qu 6

- Count the number of “bits” on the spinner and spilt the probability line into that many equal bits

Qu 7

- Just be careful adding everything up

Qu 8

- Top with top bottom with bottom
- Get the bottom numbers the same before doing the top

Qu 9

- Just be careful working through each section then adding up

Qu 10

- Work out how many in two boxes
- Multiply this by 10 to find total number
- And then set up as ratio and cancel down

Qu 11

- Draw on the patterns how many are added with each turn
- Multiply it up for the number of extra turns needed
- Write down some examples of square numbers because it's a square in the middle

Qu 12

- Write the probability as a fraction

Qu 13

- A normal door is 2 meters tall think about the man and tree in terms of the number of doors

Qu 14

- Remember the number of students has to represent 360 in the circle and then find out how many degrees each student is worth

Qu 15

- You need the formula for the area of a triangle
- Remember its like a rectangle but divided by 2

Qu 16

- But the numbers in the formula work out the answer

Qu 17

- Work out the weight of 1 tin of soup

Qu 18

- Formula for the area of a circle?

Qu 19

- Expand the brackets and remember to start with the biggest x then move things around
- Draw a number line
- An integer is a number without any decimals bits

Qu 20

- Work out 1% ie divide by 100 and then multiple up

Qu 21

- Remember what the term outlier means
- What names do we give to the type of slope
- Draw a line of best fit
- What can you say about how the data is spread

Qu 23

- Should be straight forward remember it looks a bit like a tree
- Remember what prime numbers are

Qu 24

- Do not use a calculator I will be looking for working
- Remember just ignore the decimal point multiply out and then count the decimal places in the question it must have the same in the answer
- Remember to round up the numbers and estimate first so you can be sure your answer is in the region.

Qu 25

- Work out the area for each bit
- Form an equation
- Re-arrange

Qu 26

- Remember work out the whole length of the metal used including the diagonal
- Remember what can you apply to a RA triangle to find the long side