

## Y10 Foundation Maths Weekly Task Grid – Week commencing 6<sup>th</sup> July

This week's topic focus is **Frequency Trees**

Please complete all 4 tasks.

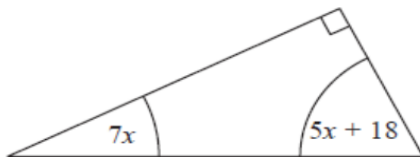
### **Starter:**

#### **Quick 10 (non-calc):**

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- 1)  $3.8 \times 7.1$
- 2) Share £54 in the ratio 7:2
- 3) Increase 180 by 25
- 4)  $21 - 7 \times 4 + 32$
- 5) £1 = \$1.30, what is \$520 in £?
- 6) Expand  $3x(x+5)$
- 7) Solve  $5x + 4 = -31$
- 8) What is the HCF of 12 and 18
- 9) Factorise fully  $18x + 12$
- 10)  $\frac{2}{5} + \frac{5}{7}$

The diagram shows a right-angled triangle.



All the angles are in degrees.  
Work out the size of the smallest angle of the triangle.

#### **Problem Solving:**

### **Video on how to do it**

#### ***Try to attend the zoom lesson first...***

You can choose which video you want to watch to refresh your memory on how to do frequency polygons

[MyMaths – Frequency Trees](#)

Or  
Corbett maths

[Video – frequency trees](#)

### **Practice Questions**

You can choose which questions you want to use to practice **Frequency Trees**. The links to the answers are also provided so you can check them when you are finished.

[frequency trees](#)

Answers to check – frequency trees [answers](#)

Or

**Frequency Trees - MyMaths** - Log on with the details attached on show my homework and complete activity on frequency trees

### **Exam Question Practice: Foundation**

Show any working out

1)

Frank and his 4 children are going to Bristol by train. An adult ticket costs £36 and a child ticket costs £18.

Frank has a family railcard which gives  $\frac{1}{3}$  off adult tickets and 40% off child tickets.

Work out the total cost of the tickets when Frank uses his family railcard.

2)

Paulina is driving to France for her holiday.

She will drive a total distance of 360 miles.

Paulina sets off at 05:45.

It takes her 1.5 hours to travel the first 90 miles.

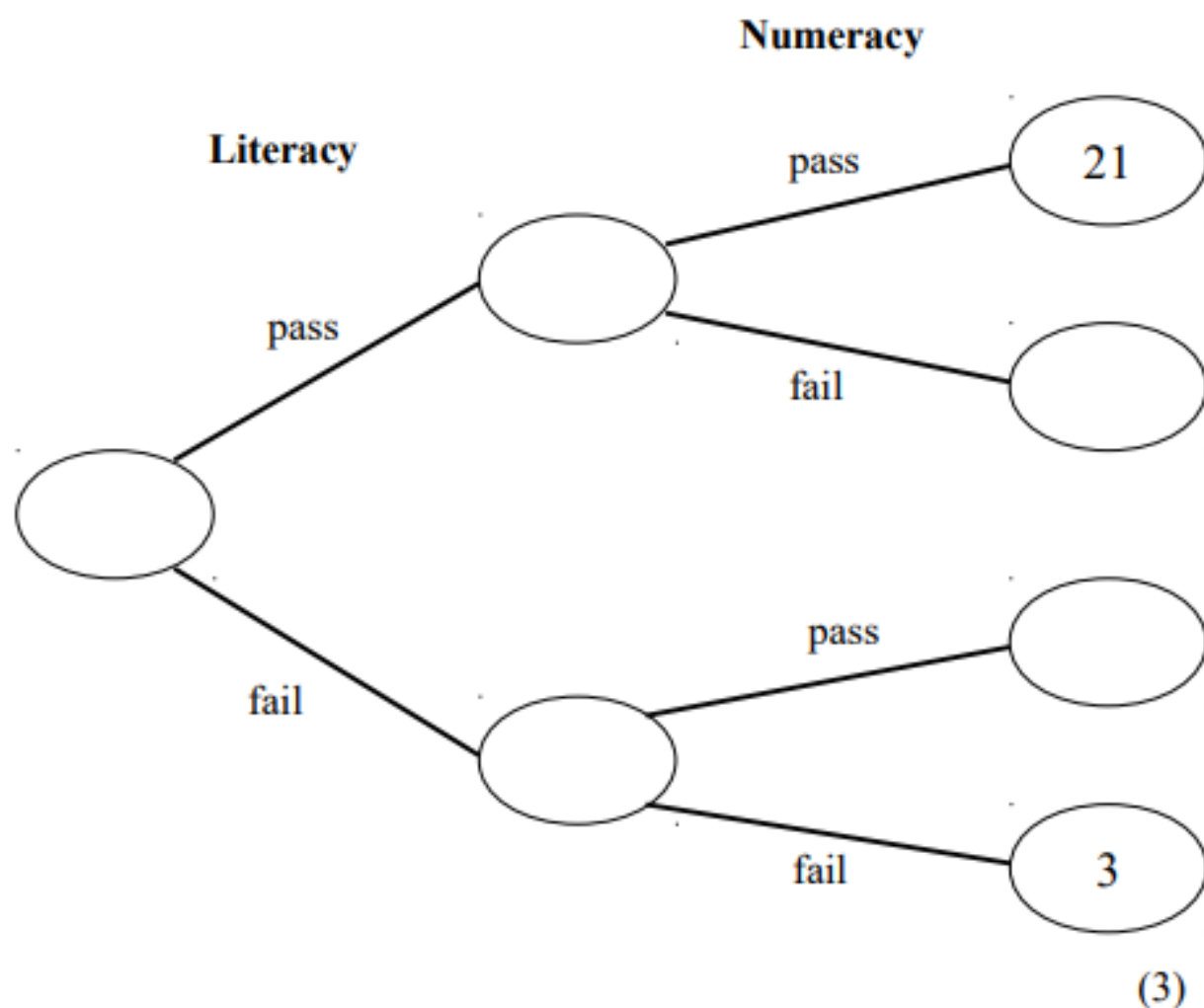
Use this information to estimate the time Paulina will arrive.

On the next page is an exam questions based on Frequency Trees, if you are struggling try to complete the tree at least

30 people took a literacy test and a numeracy test.

23 of the people passed the literacy test.

(a) Use this information to complete the frequency tree.



(b) Write down the number of people that passed the numeracy test.

(1)

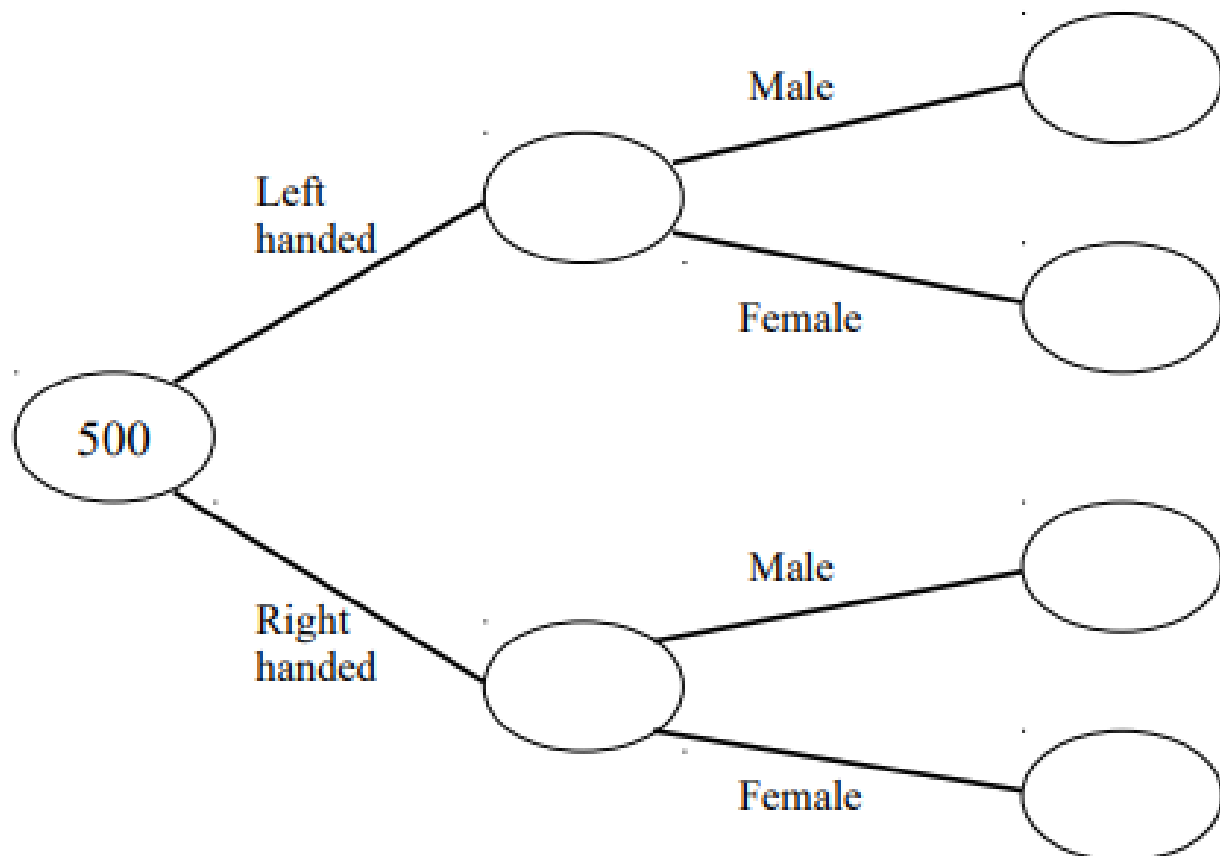
**(Total for question 1 is 4 marks)**

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500 people were surveyed.  
All of the people were either left handed or right handed.

53 of the people are left handed.  
26 males are left handed.  
231 of the people are male.

(a) Use this information to complete the frequency tree.



(3)

One of the **left handed** people is chosen at random.

(b) Write down the probability that this person is female. (2)

(Total for question 3 is 5 marks)

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