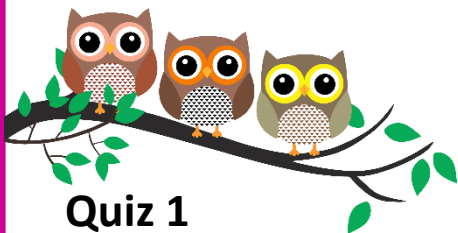


Foundation Interleaving Quiz

Branch 11

Quizzes 1 to 3



Quiz 1

Q	Topic	Σ	R	A	G
1	Product of Prime Factors				
2	Expand and Simplify				
3	Sectors				
4	Charts and Averages				

Home Study Focus

Home Study
Completed

Quiz 2

Q	Topic	Σ	R	A	G
1	Percentage problem.				
2	Simultaneous Equation				
3	Angle Problems				
4	Mean from a Table				

Home Study Focus

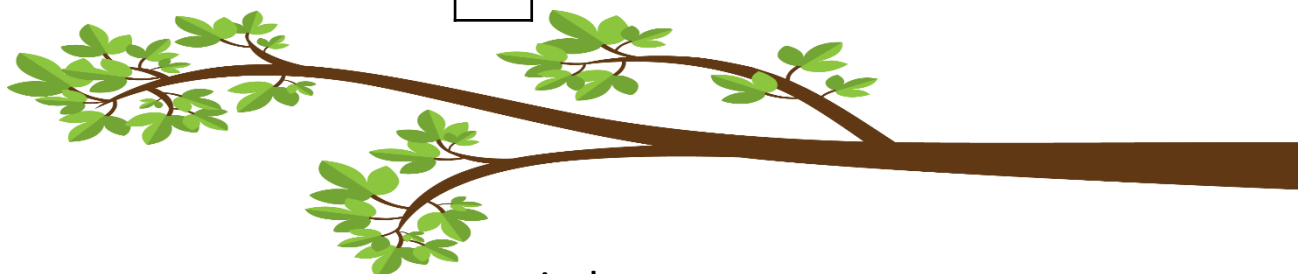
Home Study
Completed

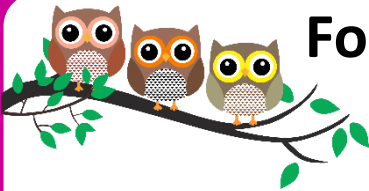
Quiz 3

Q	Topic	Σ	R	A	G
1	Estimation				
2	Form and Solve Equations				
3	Right Angled Trigonometry				
4	Probability				

Home Study Focus

Home Study
Completed





Foundation Interleaving Quiz



Branch 11 Quiz 1

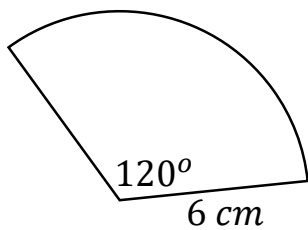
1) Express 968 in the form $a^x \times b^y$.
(3 marks)

Answer: _____

2) Expand and simplify
 $3x - 2(x + 7)$
(2 marks)

Answer: _____

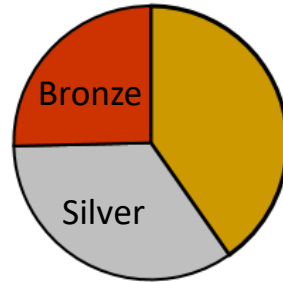
3) Find the perimeter of the sector.



Leave your answer in terms of pi. (5 marks)

Answer: _____

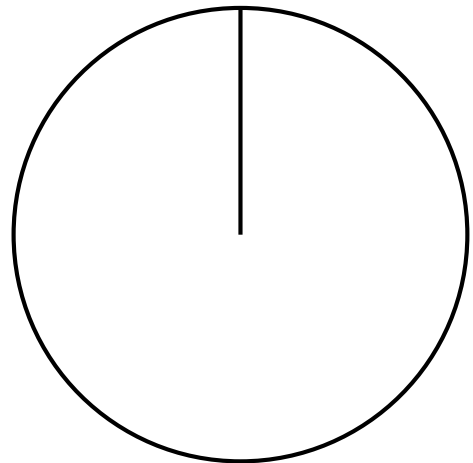
4) Medals Great Britain got in Rio 2016.



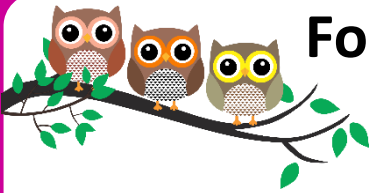
a) Give a reasons why the chart is misleading.
(1 mark)

b) Accurately draw a pie chart to represent USA's medals in the table below.
(4 marks)

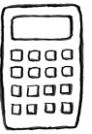
Type	Gold	Silver	Bronze
Medals	45	37	38



Q	Topic	Σ	R	A	G
1	Product of Prime Factors				
2	Expand and Simplify				
3	Sectors				
4	Charts and Averages				



Foundation Interleaving Quiz



Branch 11 Quiz 2

- 1) Connor wants to invest £2,000 into savings for 3 years.
Which account should he put his money in?
Account A: Interest 2.5% for the first year and 1% each subsequent year.
Account B: Interest 1.5% Annually **(4 marks)**

Answer: _____

2) Solve

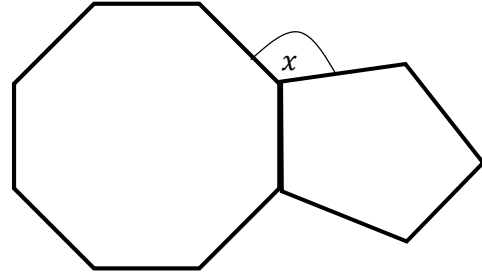
$$4x + y = 23$$

$$7x + 3y = 47$$

(4 marks)

$x =$ _____ $y =$ _____

- 3) The diagram shows a regular pentagon and a regular octagon.
Find the size of the angle marked x . **(4 marks)**



Answer: _____

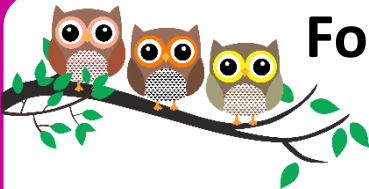
- 4) The table shows some information about the time it takes to be served in a drive thru.

Time (x , minutes)	Frequency		
$0 < x \leq 4$	13		
$4 < x < 8$	25		
$8 < x \leq 12$	12		
$x > 12$	0		

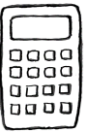
Estimate the mean time. **(3 marks)**

Answer: _____

Q	Topic	Answer:	Σ	R	A	G
1	Percentage problem.					
2	Simultaneous Equation					
3	Angle Problems					
4	Mean from a Table					



Foundation Interleaving Quiz



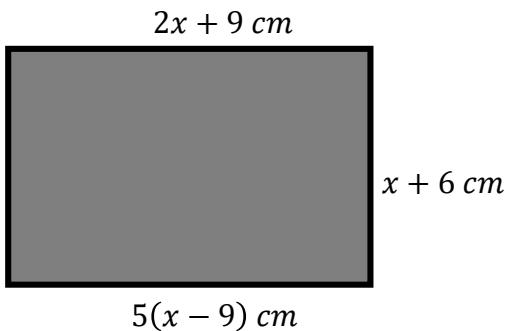
Branch 11 Quiz 3

1) Approximate a solution to

$$\frac{\sqrt{125} \times 7.86}{0.5}$$

(2 marks)

2) Here is a rectangle.

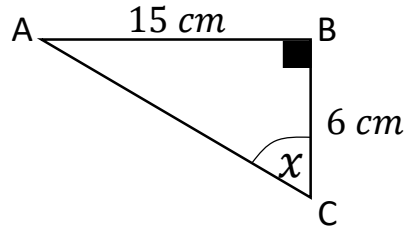


What is the value of x ?

(3 marks)

Answer: _____

3) Below is a right-angled triangle.



a) Calculate the length of AC. (2 marks)

Answer: _____

b) Find the size of the angle BCA. (3 marks)

Answer: _____

4) There are only red, green, pink and blue counters in a bag.

Colour	Red	Green	Pink	Blue
Probability	0.2			0.05

a) The probability of selecting a green or a pink counter is in the ratio of 2:3. Work out the probability of selecting a green counter. (3 marks)

Answer: _____

b) There are 350 counters in the bag. Work out the number of blue counters in the bag. (2 marks)

Answer: _____

Q	Topic	Σ	R	A	G
1	Estimation				
2	Form and Solve Equations				
3	Right Angled Trigonometry				
4	Probability				