

NON-CALCULATOR

1 Work out the following:

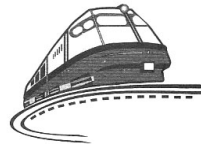
a. $18.54 + 0.61 - 5.3$

b. 3.36×70

c. $0.296 \div 4$

d. $\frac{3}{4}$ of 480 g

2. A student pays a train fare of £24.
If this represents 60% of the full adult fare,
what is the full adult fare ?



3. Brian checks the five day weather forecast for Paris.

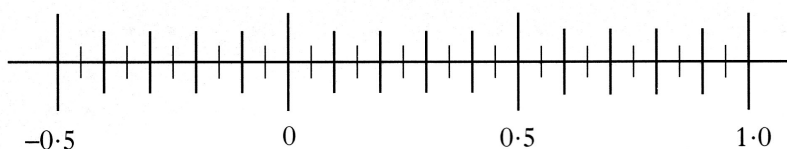
PARIS – FORECAST for 15 January			
	Maximum (°C)	Minimum(°C)	
Saturday	3	-3	Cloudy
Sunday	2	0	Sunny
Monday	7	4	Cloudy
Tuesday	7	2	Sunny
Wednesday	5	-2	Sunny

Calculate the **mean** minimum temperature for the five day weather forecast.

4. a) Write the number 1.5×10^{-1} in full.

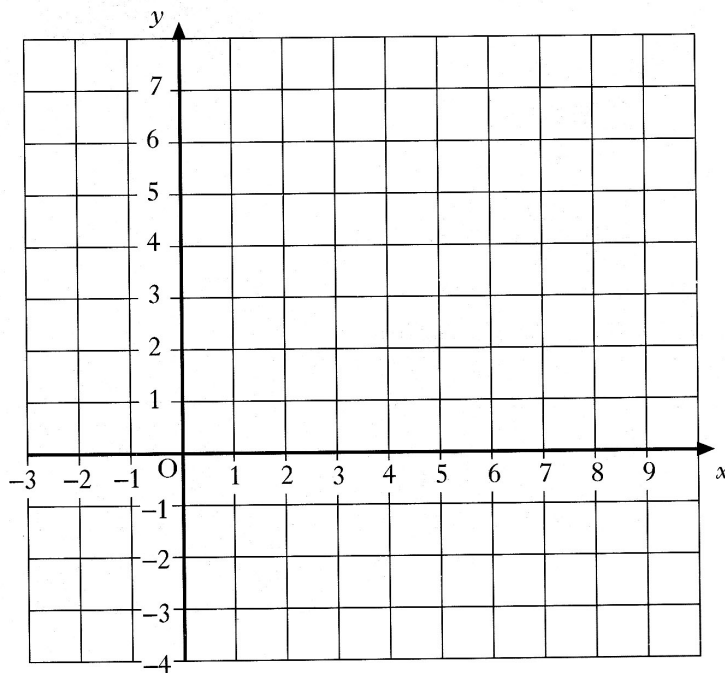
b) Mark the position of this number on the number line below.

(Use the worksheet provided)



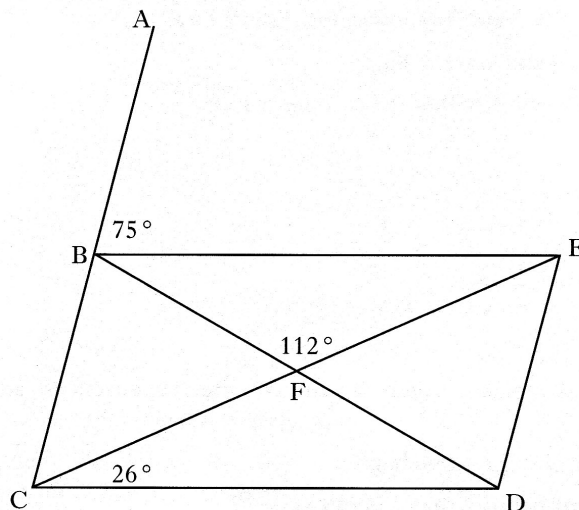
KU	RE
1	
1	
1	
2	
	3
	3
1	
1	

7. a) Plot the points $A(4, 6)$ and $C(4, -2)$ on this grid.
 (Use the worksheet provided)



- b) $ABCD$ is a rhombus with area 24 square units.
 Plot B and D on the grid.

8.



$BCDE$ is a parallelogram.

Angle $ABE = 75^\circ$, angle $ECD = 26^\circ$, angle $BFE = 112^\circ$

Calculate the size of angle CBD .

KU	RE
1	
3	

9. There are 1 blue, 2 red and 3 yellow counters in a bag.
- a) A counter is taken from the bag.
What is the probability that the counter is red ?
- b) The counter is replaced in the bag and two green counters are added to the bag.
A counter is taken from the bag.
What is the probability that it is **not** yellow ?
10. At Dunure Tennis and Golf Club, the ratio of tennis players to golfers is 100:350.
- a) Express this ratio in its simplest form.
- b) The club has been given £16 200.
This money will be divided between the tennis section and the golf section in the same ratio as above.
How much money will be allocated to the tennis section ?

	KU	RE
	1	
		2
	1	
		3
TOTALS	16	17

END OF QUESTION PAPER

TOTALS