

NON-CALCULATOR

1 Calculate:

a. $14.93 - 3.7 + 2.15$

b. 42.8×7

c. $1710 \div 3000$

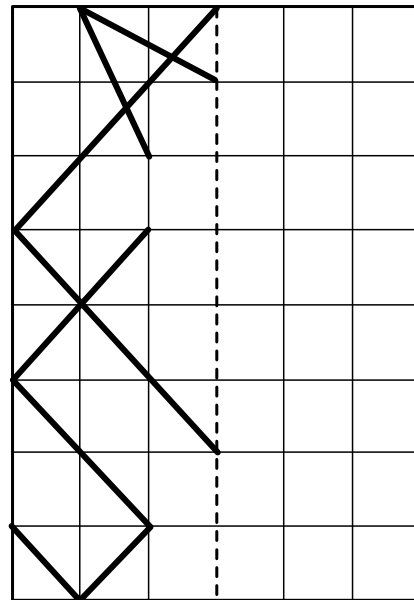
d. 90% of £180

2 Express $\frac{3}{7}$ as a decimal. Give your answer correct to two decimal places

3 Ann Fiona Johnston has drawn a design which uses her initials.

She wants her finished design to be symmetrical.

Complete her design so that the dotted line is an axis of symmetry.



4 The largest ocean in the world is the Pacific Ocean.
Its area is approximately 1.813×10^8 square kilometres.
Write this number in full.

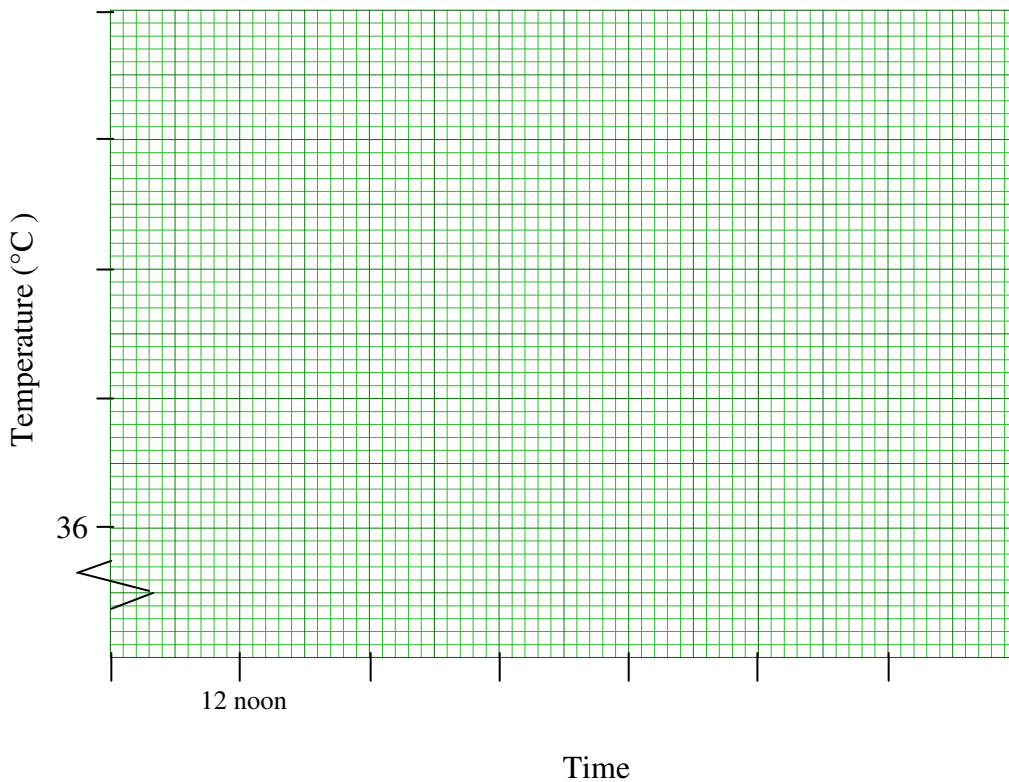
KU	RE
1	
1	
1	
2	
2	
	3
1	

5. A patient in hospital had his temperature checked every two hours. The results are shown in the table below.

Time	12 noon	2 pm	4 pm	6 pm	8 pm	10 pm
Temperature(°C)	38.2	38.6	38.1	37.9	37.5	36.9

Illustrate this data on the grid below using a line graph.

Temperature Chart



6. Last month a garage sold 12 red cars, 9 silver cars and 15 black cars. Joe bought one of these cars.

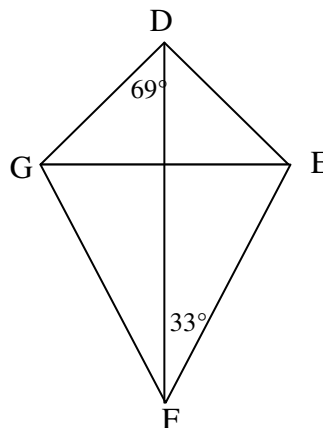
What is the probability that the car Joe bought was silver ?

Give your answer as a fraction in its simplest form.

7. DEFG is a kite

- Angle GDF is 69°
- Angle EFD is 33°

Calculate the size of angle DGF.



KU	RE
	4
	2
	3

8. Christy needs a four-digit code to switch on her mobile phone.
 She uses the digits from her birth date 4/3/89, but in a different order.
 She knows that the last digit is 8.
 One of the possible four-digit codes Christy could try is shown in the table.

4	3	9	8

Complete the table to show all possible four-digit codes.

9. A recipe for Shortbread uses the following ingredients:

- 300 grams flour
- 100 grams sugar
- 200 grams butter

Alana has only 240 grams of flour.

To make Shortbread using all of the 240 grams of flour she will have to adjust the quantities of sugar and butter.

How many grams of sugar and how many grams of butter should she use.

10. The heating in Bruce’s house switches on automatically when the outside temperature drops to -5°C .

One day last winter the outside temperature was 3°C .

Calculate the drop in temperature when the heating switched on automatically.

11. Andrew and his brother are flying to America on holiday.

Their flight times are shown below.

Depart Glasgow	30/6/04	2120
Arrive Reykjavik, Iceland	30/6/04	2235
Depart Reykjavik, Iceland	1/7/04	0105
Arrive New York, USA	1/7/04	0455

How long will the brothers have to wait at Reykjavik in Iceland before their flight to New York ?

KU	RE
	3
	4
	2
	2
TOTALS	14 17

END OF QUESTION PAPER