

MATHEMATICS
SAMPLE FINAL TEST

(1 $\frac{1}{4}$ hours)

Candidate's Name (in full)

Answer all questions in the spaces provided.

Calculators are allowed.

Scrap paper may be used if required.

Answer **all** questions in the spaces provided.

1. Here are two ways of making 30.

$$2 \times 15 = 30$$

$$15 \times 2 = 30$$

Write 4 other ways of making 30.

..... \times = 30

..... \times = 30

..... \times = 30

..... \times = 30

[3]

2. Write the following amounts of money in numbers.

(a) Sixty three pounds and thirteen pence.

£

(b) Two hundred and twenty pounds and five pence.

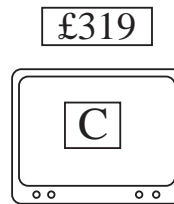
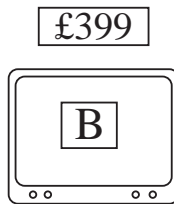
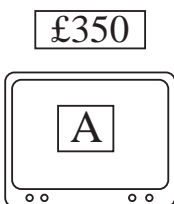
£

(c) Four thousand and thirty seven pounds and ten pence.

£

[4]

3. (a)



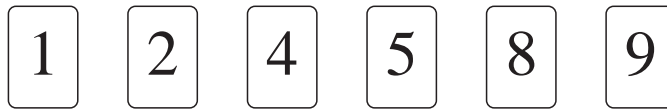
(i) Which TV set cost the *least*?

(ii) Which TV set cost the *most*?

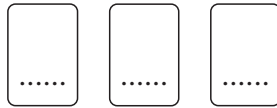
(b) What is the difference in cost between the cheapest and the most expensive TV set?

[3]

4. You have the following number cards.



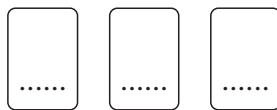
(a) Choose 3 cards with numbers that *add* up to 16.



(b) Choose 4 cards with numbers that *add* up to 16.



(c) Choose the cards with *odd* numbers.



[3]

5. Work out the following bill.

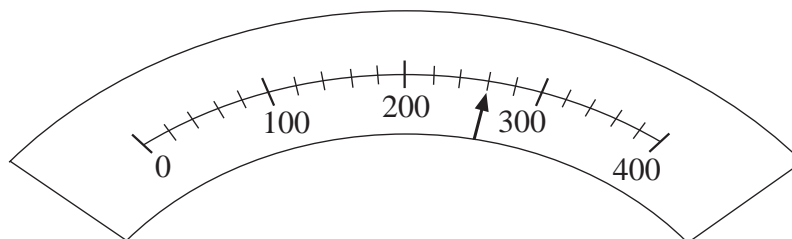
2 CDs @ £12.99 each £

5 tapes @ £6.99 each £

Total £

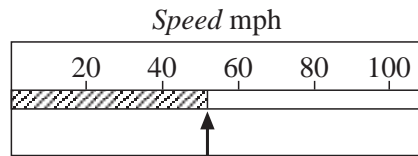
[3]

6. (a)



What number is indicated on the dial?

(b)



Estimate the speed shown.

.....

[2]

7. Liz buys 80 sweets.

(a) 10% of them are mint flavoured.

How many mint sweets has she bought?

.....

(b) 50% of them are chocolate flavoured.

How many chocolate sweets has she bought?

.....

[2]

8. Write the missing numbers in the shapes below.

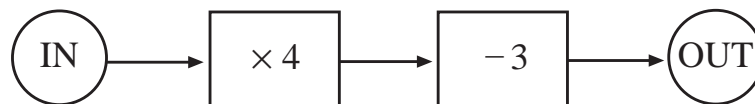
(a) $17 - \boxed{\text{.....}} = 11$

(b) $\bigcirc{\text{.....}} \times \bigcirc{\text{.....}} = 25$

(c) 51, 45, 40, 35, $\triangle{\text{.....}}$

[3]

9. Here is a number machine.



(a) If the number IN is 3, what is the number OUT?

.....

(b) If the number IN is $2\frac{1}{2}$, what is the number OUT?

.....

(c) If the number IN is 2.3, what is the number OUT?

.....

(d) If the number OUT is 33, what is the number IN?

.....

[4]

10. Here are the weights of a number of young children.

<i>Paula</i>	<i>John</i>	<i>Sarah</i>	<i>Morag</i>	<i>Ann</i>	<i>David</i>
6 kg	7 kg	8 kg	10 kg	11 kg	13 kg

(a) Choose 3 children whose weights *add up* to 26 kg.

.....

(b) Choose 4 children whose weights *add up* to 32 kg.

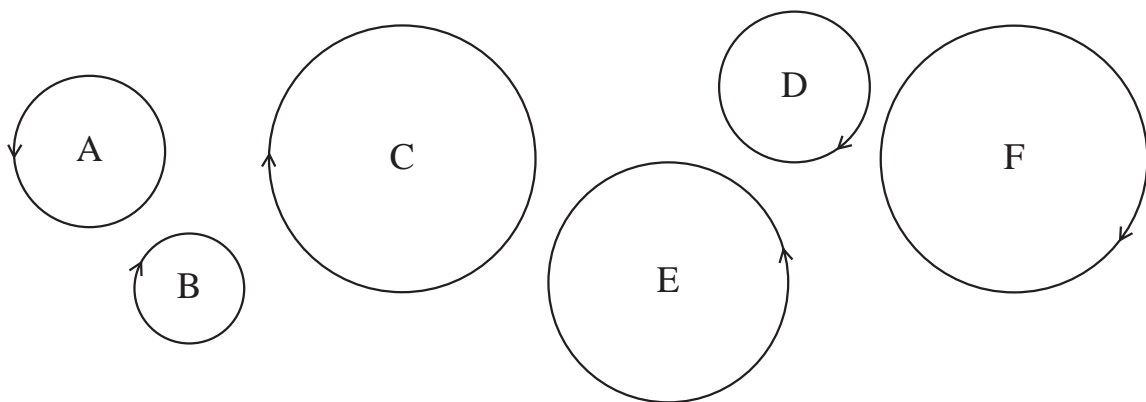
.....

(c) Find the names to put in the boxes.

is 6 kg heavier than

[3]

11. These are spinning circles.

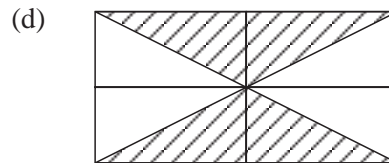
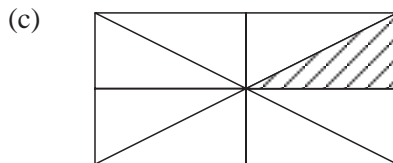
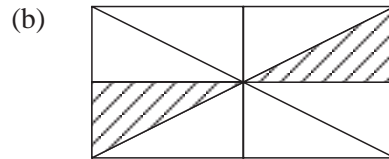
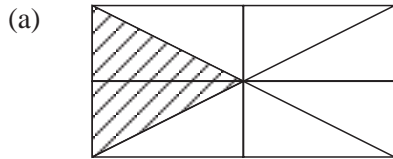


Which circles are spinning *anticlockwise*?

.....

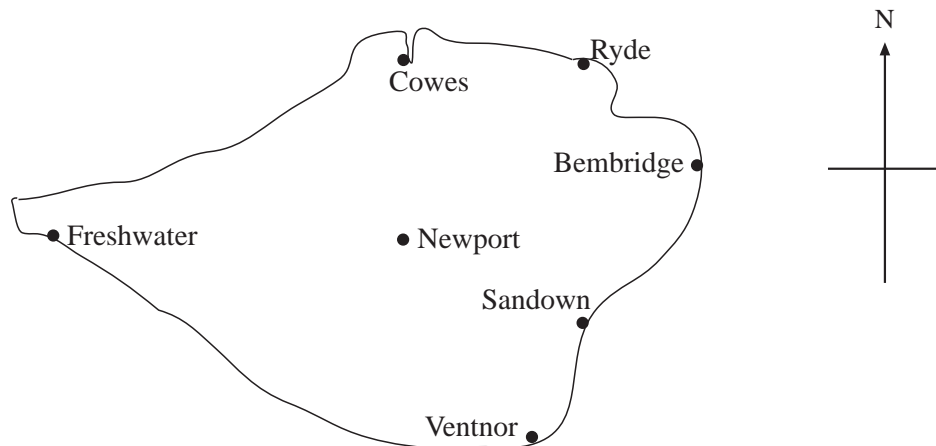
[2]

12. Draw a mirror line (line of symmetry) on each of the patterns which has mirror symmetry (reflective symmetry).



[3]

13. Here is a sketch map of the Isle of Wight.



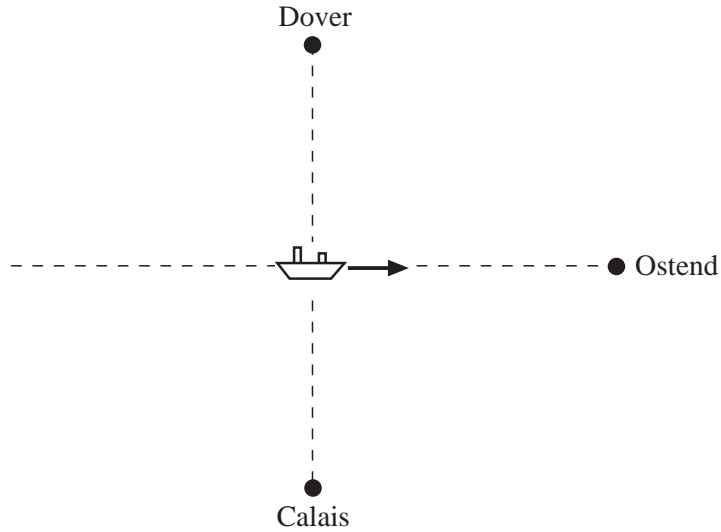
(a) Which of the towns shown is furthest SOUTH?

(b) Is Freshwater WEST or EAST of Newport?

(c) Is Ryde SOUTH-WEST, SOUTH-EAST, NORTH-WEST or NORTH-EAST of Newport?

[3]

14.

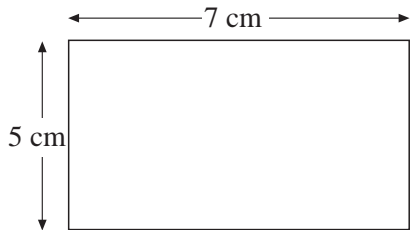


A ship is moving towards Ostend, as shown on the map.
It turns to move towards Calais.

- (a) How many right angles has it turned through?
- (b) Has it turned *clockwise* or *anticlockwise*?

[2]

15. (a)

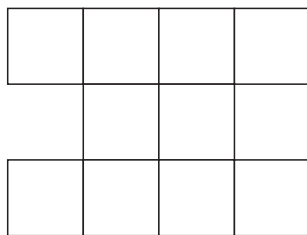


Not to scale

What is the perimeter length of this shape?

.....

(b)



Each small square is a 1 cm square

(i) What is the area of this shape?

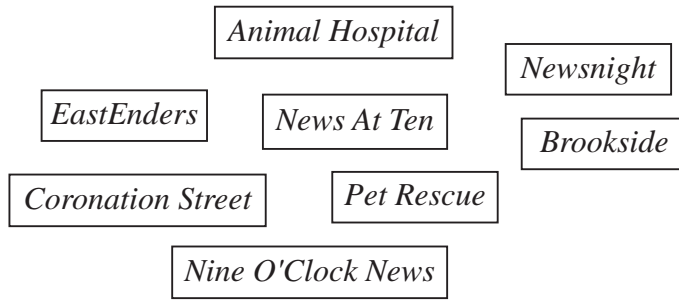
.....

(ii) What is the perimeter length of this shape?

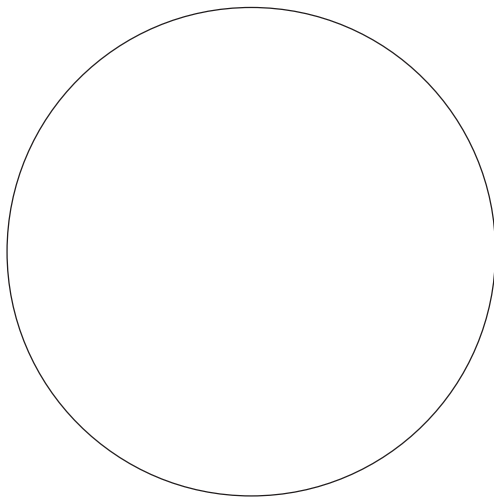
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[5]

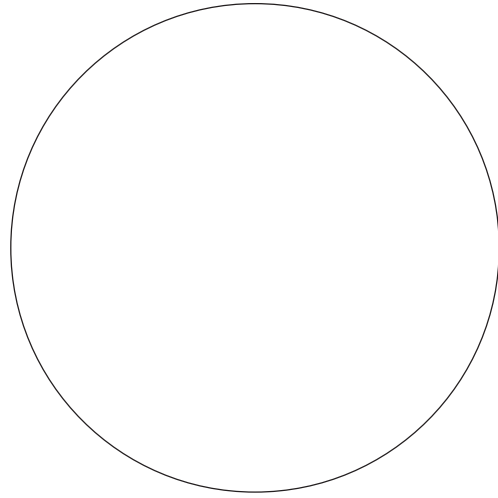
16.



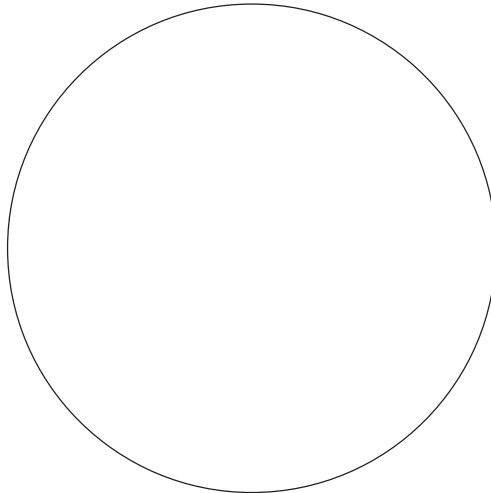
Sort the TV programmes names above into 3 groups. Write the name of each programme in one of the circles below.



Group 1



Group 2



Group 3

Explain how you chose your groups.

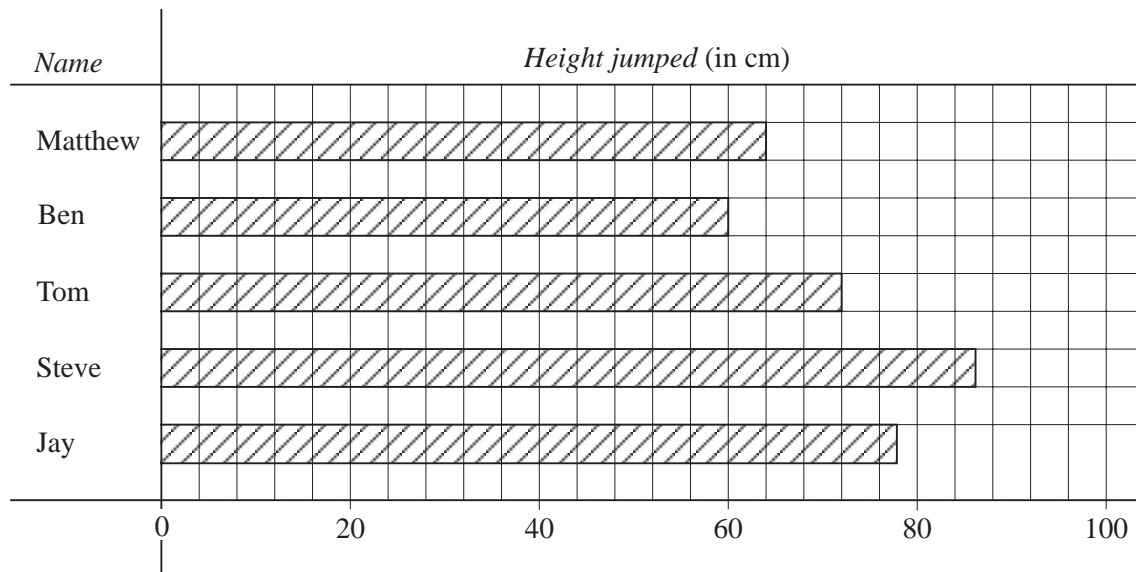
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.....

.....

[3]

17. Six people took part in a high jump competition.
The diagram below shows the results.



- (a) Who jumped the highest?
- (b) How high did Tom jump?
- (c) How high did Jay jump?
- (d) Who jumped 12 cm higher than Ben?
- (e) How much higher did Steve jump than Tom?

[5]

18. Write down whether these events

will happen

could happen

or *will not happen*

- (a) I will pass this exam today.
- (b) Tomorrow will be Sunday.
- (c) There will be 24 hours in the day tomorrow.
- (d) I will go to college to study.

[4]


19. Five pupils were asked

"How many hours of sport do you play each week?"

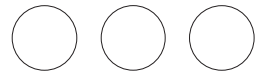
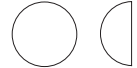
These were their replies:

Paul	12 hours
Vanessa	6 hours
Gavin	20 hours
Martin	8 hours
Bob	5 hours

Using the key

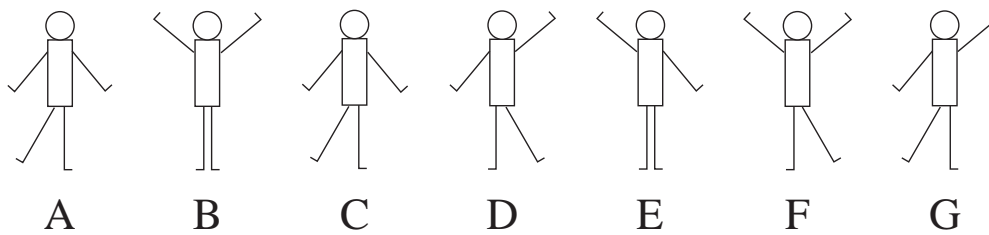
	= 4 hours
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, complete the diagram.

Paul	
Vanessa	
Gavin	
Martin	
Bob	

[2]

20. Sort these matchstick people into the boxes below. The first two have been done for you.



		<i>Number of arms up</i>		
		<i>None</i>	<i>One</i>	<i>Two</i>
<i>Legs up</i>	<i>None</i>			B
	<i>One</i>	A		
	<i>Two</i>			

[4]