

## **Instructions to Candidates**

- Answer ALL questions.
- This paper carries a total of 20 marks.
- Calculators and protractors are not allowed.





12	markel





END OF PAPER



## **Instructions to Candidates**

- Answer ALL questions.
- This paper carries a total of 80 marks.
- Calculators are allowed. Show all necessary working.

1. a) Give a rough estimate of 
$$\frac{(32.1+19.5)}{5.3}$$

b) i) Use your calculator to work out  $\frac{(32.1+19.5)}{5.3}$  = \_\_\_\_\_

ii) Give the answer correct to 2 decimal places.

iii) Give the answer correct to the nearest whole number.

(5 marks)



l					
Se	eat	tin	a	1	

Seating 2

See	ating	3

a) **Fill in** the table below.

Seating	1	2	3	4	5
People	4	6			12

b) Each time the owner adds a table, he can seat \_\_\_\_\_ more **people**.

c) How many **tables** would be needed to seat 16 people?

Stud
Name: Class:
4. The graph changes Pound Sterling (£) to Euro (€).
<ul> <li>0.50 1.00 1.50 2.00 2.50 3.00 Euro (€)</li> <li>a) Use the graph to complete the following:</li> <li>i) £1 is equivalent to €</li> </ul>
ii) $\textbf{\textbf{\xi}}$ is equivalent to $\textbf{\textbf{f}}$
b) Alex changes £200 to Euro (€). Work out his amount in Euro (€).
€(4 marks)
5. Water flows from a pipe at a rate of <b>30 litres</b> in <b>10 minutes</b> .
a) Fill in: i) 30 litres = ml

ii) 10 minutes = \_\_\_\_\_ seconds

b) Work out the **amount of water** in mI that flows out **per second**.

6. Tourists can take a bus from Malta International Airport (MIA) to terry in Cirkewwa. The **timetable** below shows times when buses **leave** the description of the second state of the se

LEAVIN	G FROM							178
М	IA	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunda
	1					11:30		
Ø	2	12:30	12:40	12:25	12:35	12:25		
Lin	3	13:30	13:30	13:15	13:30		13:30	13:30
s S	4					15:00	15:25	14:55
adr	5	16:10	16:20	16:00	16:05	16:00	16:30	16:00
lum	6	18:00	18:00	18:15	18:00	18:15	18:30	18:20
ġ	7						19:30	
L L	8							20:35
	9				22:25	22:30		22:30

Use the timetable to fill in the following:

a) Trip 1 is only available on a \_\_\_\_\_\_ at \_\_\_\_\_.

b) Trip numbers \_\_\_\_\_ and \_\_\_\_ run **everyday** of the week.

c) On weekends, the earliest trip is at \_\_\_\_\_.

d) On a Tuesday, **trip 3** leaves \_\_\_\_\_ minutes **after** trip 2.

e) Trip 9 leaves 4 hours 25 minutes after trip 6 on a \_\_\_\_\_

(7 marks)

7. Complete the following number machines:



8.	Figure A shows a tent. The tent's entrance is in the form of a <b>triangle</b> (figure B). Figure B to work out the <b>area</b> of t	ure A the entrance.	1.2 m Figure B
	b) Given that the tent is <b>5 m</b> long, work	Area out its <b>volume</b> .	a = m²
	use the formula <b>volume = area × ie</b>	<b>ngm.</b> Volum	$e = \underline{\qquad} m^3$
9.	a) <b>Solve</b> the following equations: i) $4x = 22$		(3 marks)
	ii) $x + 5 = 6$		x = x =
	iii) $\frac{x}{2} = 10$	r =	~
	<ul> <li>b) The cost of <b>2 soft drinks</b> and <b>a toast</b> i</li> <li>A soft drink costs 75 cent. Work out:</li> <li>i) The cost of the <b>2 soft drinks</b></li> </ul>	∝ – s €2.45.	

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<ul> <li>Homework Help &amp; Pastpapers</li> </ul>	





b) **Complete** the table below:

Shap	e 🗾	Faces	Edges	Vertices
Cube		6	12	8
Cylinder	^			0
Pyramid			8	
Pentagonal Prism		7		

(8 marks)

12. Mary did a **survey** on TV programmes. The responses of 12 of her classmates are given below.

Film	News	Film	Documentary	Sports	Quiz
Film	Film	Quiz	Documentary	News	News

a) Fill in the empty cells in the following table.

		Stud
TV PROGRAMME	TALLY	FREQUENCY
Film		
Quiz		
News	Ш	3
Documentary		
Sports		1
TOTAL	₩₩II	12 Students

b) Fill in the table to calculate the angle represented by each programme. The first one is done for you.

TV Programme	Working	Angle in Pie Chart
Film	(360° ÷ 12) × 4 =	120°
Quiz		
News		
Documentary		
Sports		

- c) The most favourite TV programme is \_\_\_\_
- d) Now **draw** the pie chart in the circle.
- e) In the school Mary attends there are 400 students. How many students would prefer to watch the news?





b) Shape \_\_\_\_\_ is an **enlargement** of **A** by scale factor \_\_\_\_\_.

c) Shape \_\_\_\_\_ is a **rotation** of **A** by 90° clockwise.

## END OF PAPER

(5 marks)