

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS Cambridge Primary Checkpoint Pretest

CANDIDATE NAME		••		
CENTRE NUMBER		CANDIDATE NUMBER		
MATHEMATICS			Pretes	t 0845/02/1
Paper 2			Ар	ril/May 2012
				45 minutes
Candidates answer on	the Question Paper.			
Additional Materials:	Pen	Protractor		
	Pencil	0.1-1.4		
	Ruler	Calculator	For Evam	iner's Use
READ THESE INSTRU	ICTIONS FIRST		1	liler s Use
READ THESE INSTRU	ICTIONS FIRST		2	
Write your Centre numl	ber, candidate number an	d name in the spaces at the top of	3	
this page.			4	3
Write in dark blue or bla	ack pen.		5	
DO NOT WRITE IN AN	Y BARCODES.		6	
Answer all questions.			.7	
			8	
The number of marks i	is given in brackets [] at	the end of each question or part	9	
question.	ur working in the booklet.		10	
	rks for this paper is 40.		11	
	me ter une paper te ter	,	12	
			13	
	·		14	
		;	15	
		-	16 17	
		14	18	
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		ľ	20	
		İ	21	***************************************

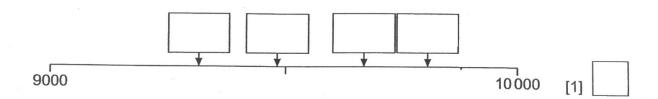
This document consists of 21 printed pages and 3 blank pages.



Total

1 Write each number in its correct box to show its position on the number line.

9482 9842



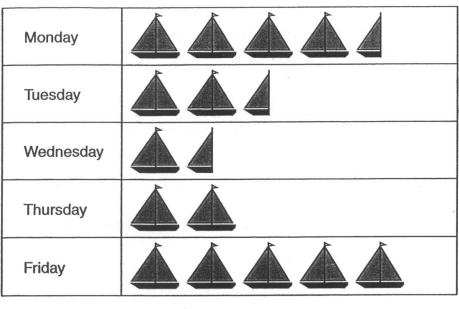
2 Put a tick (\checkmark) next to the calculation that is the same as $\frac{1}{4}$ of 12.

12 x 4	

$$12 + \frac{1}{4}$$

$$12 - \frac{1}{4}$$

George counts the number of boats sailing into a harbour on 5 days.



represents 10 boats

represents 5 boats

How many boats does George count sailing into the harbour altogether?

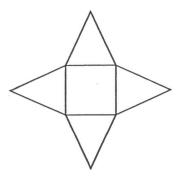
boats

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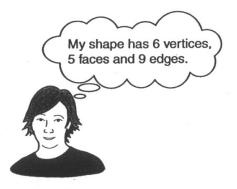
4 Complete the boxes.

438	To the nearest 10	
536	To the nearest 100	
		[4]

5 Here is a net of a 3D shape.



- (a) What 3D shape does it make? [1]
- (b) Alex thinks of a 3D shape.



Write down the name of the 3D shape Alex is thinking of.

 [1]	

0845/02/1/A/M/12

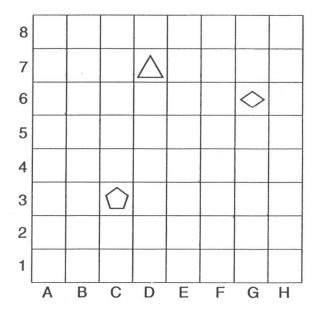
6 Complete these number facts.

$$\frac{1}{4} + \frac{1}{4} = 1$$

$$\frac{1}{2} + \frac{1}{2} = 1$$

[1]

7 The diagram shows a grid.

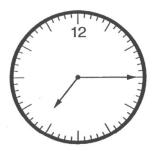


(a) Draw a circle in B4.

[1]

(b) Write down the position of the triangle.

8 Here is a clock face.



(a) What time does the clock face show?

 [1]	

(b) Write 11:25 pm as a 24-hour clock time.

	1	
		[1]

9 Complete the table.

The first row has been done for you.

In words	In figures
Six hundred and forty	640
Seven thousand, nine hundred and six	-
	2079

10 The first 5 numbers in a sequence	e are
---	-------

6, 8, 12, 18, 26, ...

The sequence continues in the same way.

What is the next number in the sequence?

[1]	
 F . 1	

11 Put one tick (\checkmark) in each row to complete this table.

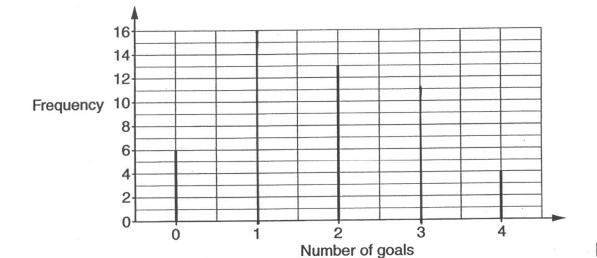
The first row has been done for you.

	Less than 50%	Equal to 50%	More than 50%
0.6			✓
$\frac{1}{2}$			
0.05			
9 10			

12 Zoe records the number of goals scored in 50 football matches.

Number of Goals	Frequency
0	6
1	16
2	13
3	11
4	4

(a) Complete the bar-line chart to show Zoe's results.

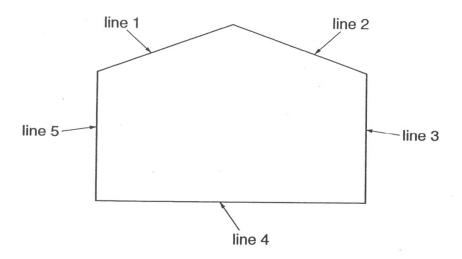


(b) Zoe says that the mode for the number of goals scored is 2.

She is wrong.

Explain why.

13 This shape is made from 5 straight lines.



Complete these statements.

The first has been done for you.

Line 1	is	equal	in	length	to		2
--------	----	-------	----	--------	----	--	---

Line		and line	are parallel.

14 Work out 20% of 360

15 Is 90 a multiple of 5?

Yes		No	
Give a reason for your answer.			
	•	••••••	[1]

16 Susan buys a backpack, a torch and a teddy.



(a) How much does she spend altogether?

\$ 	[1]	,

(b) How much change does she receive from \$100?

			,
\$	€	[1]	
Ψ	***************************************	נין	'

1	Here are some angl	es.		
	90°	60°	155°	236°
	Choose the correct	angle to complete ea	ch sentence.	
	***************************************	is a right ang	le.	
		is an acute a	ngle.	
		is an obtuse a	angle.	[1]

18 A piece of ribbon is 8.4 metres long.



The ribbon is cut into 20 equal pieces.

(a) How long is each piece of ribbon?

	cm	[1]	

(b) The pieces of ribbon are put into packs of 4

Each pack is sold for \$4.60 each.

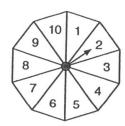
Jane buys 12 pieces of ribbon.

How much does she spend?

19 Work out.

20 The diagram shows a fair spinner with 10 equal sized sections.

Each section is labelled with a number from 1 to 10



Annette spins the spinner.

(a)	Tick the word	that	describes	how	likely	each	event	is to	happen
-----	---------------	------	-----------	-----	--------	------	-------	-------	--------

	Tiok the word that describes flow likely each event is to happen.
	Annette scores a number smaller than 8
	Impossible
	Unlikely
	Even chance
	Likely
	Certain
	Annette's score is a multiple of 12
	Impossible
	Unlikely
	Even chance
	Likely
	Certain [1]
,	Shee on everyale of

(b)	Give an	example of a chance of ha	an event	connected	with	this	spinner	that	has
	an even	chance of fla	ppening.	100					

21	(a)	Round 8375 to the nearest thousand	d.	
	(b)	Round 3.66 to the nearest tenth.		[1]
				[1]
22	Jer	nny thinks of two prime numbers.		
	Bot	th numbers are bigger than 10		
	The	e sum of her numbers is 28		
	Wh	nat are the two numbers that Jenny is	s thinking of?	
			and	[1]

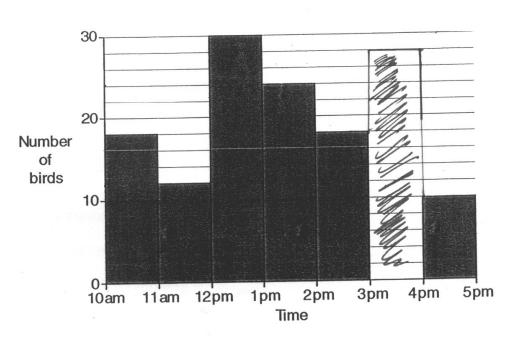
23 Use one of the symbols to complete each number sentence.

 $\frac{5}{8}$ $\frac{3}{8}$ $\frac{3}{4}$ $\frac{3}{4}$ $\frac{3}{4}$

F43	
[1]	

24 Samir counted the number of birds visiting her garden each hour between 10 am and 5 pm.

The chart shows some of her data.



(a) Samir says

I counted double the number of birds between 1 pm and 2 pm than I did between 11 am and 12 pm.

Is Samir correct? Yes / No

Explain your answer

- (b) Between 3 pm and 4 pm she saw 28 birds.

 Complete the chart.

 [1]
- 25 (a) Tick (\checkmark) to show whether each of these calculations is true or false.

	True	False	
27 ÷ 5 = 5 remainder 2			
$47 \div 7 = 5 \frac{6}{7}$			
$37 \div 6 = 6 \frac{1}{6}$,		[1]

(b) Complete this calculation.

$\div 7 = 4\frac{2}{7}$, [
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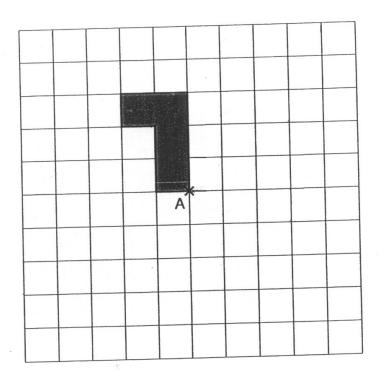
26 The price of a coat is \$45

In a sale the price is reduced by 15%.

Work out the price of the coat in the sale.

\$ _____[1]

27 Rotate the shape clockwise through an angle of 90° about vertex A.



28 The cost of some items in a decorating store is shown.



Freddie has \$100

He buys two paintbrushes and a stepladder.

Work out the most cans of paint he can buy with the money he has left.

Show how you worked out your answer.

***************************************	cans	[2]

29 Fill in the missing digits to make this addition correct.

	T				1			1	
2	6	+	5	4	=	1	7	[1]	