

Cambridge Primary Checkpoint

CANDIDATE NAME			
CENTRE NUMBER		CANDIDATE NUMBER	
MATHEMATIC	S		0845/02
Paper 2			October 2020
			45 minutes
You must answe	r on the question paper.		
You will need:	Protractor Tracing paper (optional)		

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do not write on any bar codes.
- You should show all your working in the booklet.
- You may use a calculator.

INFORMATION

- The total mark for this paper is 40.
- The number of marks for each question or part question is shown in brackets [].

This document has 16 pages. Blank pages are indicated.

1 Here are some number cards.



(a) Write the number with 3 in the hundreds position.

[1]

(b) Write the number with the largest digit in the tens position.

[1]

2 Here are five number cards.



Use four of the cards to complete these fractions.



[2]

3 Here is a shape drawn on a grid.



(a) Name the shape.

.....[1]

(b) Draw a parallelogram by joining dots on this grid.

- ••• •• ••[1]
- 4 Jamila's birthday is on 7 August.

July							
S	Μ	Т	W	Т	F	S	
	1	2	3	4	5	6	
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30	31				

August								
S	Μ	Т	W	Т	F	S		
				1	2	3		
4	5	6	7	8	9	10		
11	12	13	14	15	16	17		
18	19	20	21	22	23	24		
25	26	27	28	29	30	31		

Angelique is two weeks older than Jamila.

When is Angelique's birthday?

5 Here is a shape drawn on a centimetre square grid.

Find the area of the shape.

_____cm² [1]

6 Write the **same** digit in each box to make the calculation correct.

7 Class 6 run the school snack shop.

They record how many fruits they sell in a week on both a pictogram and a bar chart.



The charts are not complete.

Each chart only shows the information for 3 fruits.

Complete the charts so they show the **same** information.

8 Yuri calculates 5226 – 1301 using a number line.

Here is his working.



Complete the boxes on the number line.

[2]

[2]

- 9 Here is a number sequence.
 −21 −16 −11 −6
 (a) Write the next two numbers in the sequence.
 - (b) Write down the rule for this sequence.
 - [1]
- **10** Here is a jug of water.



400 ml of water is added to the jug.

Draw a line to show the new level of water.

[1]

11 A van carries a maximum load of 250 kg.



A chair has a mass of 4 kg.

What is the greatest number of these chairs that can be carried in the van?

				chairs	[1]
12 Here are five n	umbers.				
6.05	56.0	5.60	0.65	6.5	
Write them in c	order starting wi	th the smalles	t.		
smallest				largest	
					[1]
13 Calculate 20%	of \$401.25				

\$ [1]

14 Here is a school notice.

Football practice Saturday				
Start: 9.50 am Finish: 12.15 pm				

How long is the football practice?

.....[1]

15 Complete the following.



16 Rajiv thinks of a number.



What is the number?

	[1]
--	-----

17 Here are six numbers.

213.41	213.49	213.45	213.31	213.44	213.39

Draw a ring around **each** number that is 213.4 when rounded to the nearest tenth. [1]

18 Find a 2-digit number less than 86 that is a factor of 86

19 Here are four bags of balls.



Blessy takes a ball from each bag without looking.

Complete this sentence.

The likelihood of taking a black ball is the same as

the likelihood of taking a white ball in bag _____.

- **20** Manjit knows two number facts.
 - 78 × 5 = 390 78 × 3 = 234

Show how Manjit could use **both** of these facts to calculate 78 × 13

21 What is the value of the digit 4 in these numbers?

3.04

7.41

[1]

22 Here is a shape plotted on a coordinate grid.



(a) Write the coordinates of point C.

(_____, ____)[1]

(b) The shape is reflected in the y-axis.

Write the coordinates of the reflection of point D.

(_____, ____)[1]

23 Here is part of a number line.



 What is the value of A?
 [1]

24 Here are four digit cards.



Use each card once to make this statement correct.



[1]

25 Carlos lives 100 km from Cambridge.

5 miles is approximately 8 kilometres

What is the distance in miles?

miles [1]

26 Here are ten cards.

Each card has two numbers written on it.

Draw rings around **all** the cards where the two numbers total 10



[2]

27 A water cooler holds 20 litres when full.

The graph shows the amount of water in the water cooler during one day.

At 6 am the water cooler is full.



(a) How much water is in the water cooler at 10 am?

litres [1]

(b) What happens to the water cooler at 6 pm?

[1]

Graph to show amount of water in a water cooler

28 Draw a line to join each improper fraction to the correct place on the number line.

The first one has been done for you.





Not drawn to scale

The rectangles are placed on top of each other to make a new shape.



Not drawn to scale

Find the area of the new shape.

Show your working.

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