## Cambridge <br> Primary <br> Checkpoint

## Cambridge International Examinations

## Cambridge Primary Checkpoint

CANDIDATE
NAME


## CENTRE

 NUMBER

CANDIDATE NUMBER
$\square$

## MATHEMATICS

Paper 2
April 2017
45 minutes
Candidates answer on the Question Paper.
Additional Materials:
Pen
Pencil
Ruler

Pencil
Ruler

Protractor
Calculator
Tracing paper (optional)

## READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces at the top of this page.
Write in dark blue or black pen.
DO NOT WRITE IN ANY BARCODES.
Answer all questions.
Calculator allowed.
The number of marks is given in brackets [ ] at the end of each question or part question.
You should show all your working in the booklet.
The total number of marks for this paper is 40 .

1 Write the missing number in each box.


2 Here are some angles.


Write the angles in order from smallest to largest.
$\qquad$
$\qquad$
smallest
$\qquad$

3 Write the missing number in the box.

$$
\square \div 4=96
$$

4 Complete the table of equivalent fractions and decimals．

| Fraction | Decimal |
| :---: | :---: |
| $\frac{1}{2}$ | 0.5 |
|  | 0.75 |
| $\frac{63}{100}$ |  |

5 Class 4A and Class 4B did a bug survey．
Here are their results．

Class 4A

| －represents 5 bugs |  |
| :---: | :---: |
| Ant |  |
| Caterpillar | 过 |
| Fly | 里是而 |
| Snail | $x^{\circ}$ |
| Spider | 飛象急 |

Class 4B

| Crepresents 10 bugs |  |
| :---: | :---: |
| Ant |  |
| Caterpillar | 星 |
| Fly |  |
| Snail | 笑 |
| Spider | 承次 |

（a）How many ants did Class 4B find？
ants
（b）Oliver says，＂Class 4A found more spiders than Class 4B．＂
Explain why he is wrong．
$\qquad$
$\qquad$

6 Carlos takes a photograph of a toy.
In the photograph, the length of the toy is $\frac{1}{6}$ the length of the real toy.
(a) The real toy is 12 cm tall.

How tall is the toy in the photograph?
cm
(b) The toy is 6 cm long in the photograph.

How long is the real toy?
cm

72005 people visit a museum in August.
1997 people visit the same museum in September.
How many more people visit in August than in September?
people

8 Find these numbers.

6709 rounded to the nearest 10 is 6709 rounded to the nearest 100 is 6709 rounded to the nearest 1000 is $\qquad$

9 Use the digits 1, 3, 5 and 9 to complete the calculation.
Each digit can only be used once.


10 Which of these times is closest to 4 o'clock in the afternoon?
Draw a ring around your answer.
4:35 pm
14:05
04:17
16:25

11 Here are six numbers.

| 35055 | 35050 | 35500 |
| :--- | :--- | :--- |
| 35550 | 35005 | 35505 |

Choose one of these numbers to complete this inequality.


Choose another one of these numbers to complete this inequality.


12 Aiko says that the number 342 is divisible by 5
Explain why she is wrong.
$\qquad$
$\qquad$

13 Two children take part in a sponsored read.
Here are their start and finish times.

|  | Start | Finish |
| :---: | :---: | :---: |
| Pierre | $09: 15$ | $10: 58$ |
| Chen | $09: 35$ | $11: 28$ |

How much longer did Chen read for than Pierre?
minutes

14 Here is a 1 cm grid.
Join dots to make a rectangle with an area of $18 \mathrm{~cm}^{2}$.


15 Draw a ring around the number that is a common multiple of 6 and 8
14
24
34
42
54

16 Here is a triangle on a square grid.
The triangle is translated so that point $A$ moves to point $B$.
Draw the triangle in its new position.


17 Write all the prime numbers between 10 and 20

18 A bag contains 10 red beads and 10 blue beads.
Ahmed removes 9 red beads from the bag.


Ahmed takes another bead from the bag.
What is the likelihood of him taking another red bead?
Draw a ring around the correct answer.
impossible unlikely even chance likely certain

19 Class 6 visit a museum.
There are 22 children in class 6
4 adults go with them.
Entrance to the museum costs $\$ 2.75$ for children and $\$ 4.60$ for adults.
What is the total cost of the visit?
Show your working.

20 Here is a rectangle.

(a) Shade $10 \%$ of the rectangle.
(b) In a different rectangle Blessy shades 30\%.

What fraction of Blessy's rectangle is not shaded?

21 In the diagram the sum of the numbers in the circles is written in the square.


Use the same rule to complete this diagram.


22 Here are some statements.
Write true if the statement is correct.
Write false if it is not correct.


23 Write the same number in each box.


24 Here is a parallelogram.

(a) What is the length of the shortest side to the nearest centimetre?
cm
(b) What is the length of the longest side to the nearest millimetre?
mm

25 Complete the following sentences.

A tetrahedron has ...................................... faces.

A cuboid has $\qquad$ vertices.

A square-based pyramid has $\qquad$ edges.

26 This clock is at a Sydney train station in Australia.

$$
04: 35
$$

It is 7 hours earlier in Helsinki.
Write the time shown on a clock in Helsinki.


27 Write the missing numbers.

$$
\begin{aligned}
& 36 \div 5=7 \frac{1}{\square} \\
& 74 \div 10=7 \frac{\square}{5}
\end{aligned}
$$

## 28 Hassan makes a picture of a cat using 6 tiles.



He makes more of these cats.
He uses 36 triangular tiles.
How many of these cats does he make?
cats

## 29 A one cent coin has a mass of 3.5 grams.

A bag of one cent coins has a mass of 2.17 kg .
How much money is in the bag?
Show your working.

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