NUMERACY

First Name: __________________________

Last Name: __________________________

School: CHARLESTOWN SOUTH PUBLIC SCHOOL

School Code: 534_4324

Gender: Male ☒ Female ☐

Date of Birth: __/__/____ (DD/MM/YYYY)

________________________________________________________________________

Student to Complete

Please print your first name and last name in the boxes below. Write in capital letters.

First Name: __________________________

Last Name: __________________________

________________________________________________________________________

Note to Teacher - Recording Student Participation and Disability Adjustments

Please ensure your school NAPLAN coordinator has provided you with a test participation roll for this test. The test participation roll must be printed from the NAPLAN Participation and Registration (PAR) website and used to record student participation and disability adjustments. At the end of the test session, the completed test participation roll must be handed to the NAPLAN coordinator so the data can be entered into PAR.

Disability Adjustments

Tick the appropriate box on the test participation roll to indicate the disability adjustments accessed by the student for this test and to identify if the student is enrolled in a Support Class.

Student Participation

Tick the appropriate box on the test participation roll if the student was absent, exempt, withdrawn or a sanctioned abandonment from this test.

Books for students in these categories MUST NOT BE RETURNED for processing.

50 min Time available for students to complete test: 50 minutes

Use lead pencil only

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1. Which of these coins has the greatest value?

2. Which of these holds about the same amount of water as a kitchen sink?
   - a bucket
   - a swimming pool
   - a bath
   - a tablespoon

3. What is the largest number that can be made using two of these cards?
   4  5  7

   Write the number in the box below.
4 Jen records the number of items she recycles in one month. The tally table shows Jen’s results.

<table>
<thead>
<tr>
<th>Item</th>
<th>Tally</th>
</tr>
</thead>
<tbody>
<tr>
<td>bottles</td>
<td>///</td>
</tr>
<tr>
<td>cans</td>
<td>/// 1</td>
</tr>
<tr>
<td>jars</td>
<td>/// /// ///</td>
</tr>
<tr>
<td>newspapers</td>
<td>/// /// ///</td>
</tr>
</tbody>
</table>

How many items does Jen recycle in total?

5 In a soccer competition a team won 8 games and lost the other games. Altogether they played 14 games.

Finish the subtraction sentence below to show the number of games the team lost.

$\square - 8 = \square$
6. The table shows the distance (in metres) some children throw a tennis ball.

<table>
<thead>
<tr>
<th>Name</th>
<th>Distance (metres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vani</td>
<td>10</td>
</tr>
<tr>
<td>Sue</td>
<td>20</td>
</tr>
<tr>
<td>Greg</td>
<td>18</td>
</tr>
<tr>
<td>Les</td>
<td>14</td>
</tr>
</tbody>
</table>

Which column graph correctly shows the data in the table?

7. Write a number in the box to make this number sentence true.

\[ 5 + 7 = 10 + \Box \]
8 Henry is using matchsticks to make a pattern of triangles.

Triangle 1
3 matchsticks

Triangle 2
6 matchsticks

Triangle 3
9 matchsticks

How many matchsticks will Henry need to make Triangle 5?

5  11  15  18

9 Jim wants to make this prism using squares and triangles.

How many squares and triangles does he need?

□ = △

□ = △
10 Adam is at the zoo looking at the seals.
Adam then turns around and walks along the path, past the giraffes towards the elephants.

In which direction is Adam walking?
- north-east
- north-west
- south-east
- south-west

11 Josie buys 3 bracelets for $1.50 each. She pays for these bracelets with a $5 note. How much change should Josie receive?

- $0.50
- $1.50
- $3.50
- $4.50

12 There are 10 balls, numbered from 1 to 10, in a basket. Three balls are taken out of the basket, one at a time, and not replaced. The first ball taken out is 8. Which of the following cannot happen?

- The second ball is 7.
- The third ball is 8.
- The second ball is an even number.
- The third ball is an odd number.
Jasper draws a shape on some grid paper. He puts a pin through the dot. He then rotates the paper a quarter turn anti-clockwise.

Which of the following shows Jasper's shape after the rotation?

Jane is in Year 5. She wants to know the most popular movie for Year 5 students. First she asks 4 of her friends, but Jane wants to ask more people.

Which of these would best help Jane to know the most popular movie for Year 5 students?

- Ask all the children in her class.
- Ask all members of her family at home.
- Ask all the staff at the local cinema.
- Ask all the adults in her school.
15  Nick is 140 centimetres tall.

About how tall is his little sister, Verity?
- 70 centimetres
- 90 centimetres
- 120 centimetres
- 139 centimetres

16  There are 42 chairs in the school hall.
Mrs Brown arranges all of the chairs so there are 6 chairs in each row.
How many rows are there?

17  Samir uses some blocks to make 2 cubes.

How many blocks does Samir use altogether?
- 13
- 26
- 35
- 41
Billy had some footy cards.
His friend gave him 13 new cards and Billy gave 5 cards away.
Billy was left with 22 footy cards.

How many footy cards did Billy start with?

4  9  14  30

On a school trip, each child chose one activity.
The table shows how many children chose each activity.

<table>
<thead>
<tr>
<th></th>
<th>Skating</th>
<th>Archery</th>
<th>Climbing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Girls</td>
<td>30</td>
<td>40</td>
<td>35</td>
</tr>
<tr>
<td>Boys</td>
<td>20</td>
<td>50</td>
<td>25</td>
</tr>
</tbody>
</table>

Select all the statements that are true.

☐ More girls than boys chose skating.
☐ In total 70 children chose climbing.
☐ Over half of the boys chose archery.
☐ In total, there are the same number of girls on the trip as boys.

On Monday, Tom was given a list of 25 new spelling words.
He decided to learn how to spell 4 new words each day starting from Monday.
On which day had Tom learned all the words on the list?

Thursday  Friday  Saturday  Sunday

☐  ☐  ☐  ☐
21 Owen breaks this big cracker into 8 small crackers along the lines shown.

How many small crackers are in one-quarter of this big cracker?

1  2  4  8

22 At camp, students can take apples from the kitchen.
At the start of the camp, there were 409 apples in the kitchen.
At the end of the camp, there were 49 apples left.
How many apples were taken from the kitchen?

23 The picture graph shows how many tonnes of waste are recycled by 4 schools.

= 4 tonnes

<table>
<thead>
<tr>
<th>School A</th>
<th>School B</th>
<th>School C</th>
<th>School D</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
</tr>
</tbody>
</table>

How many more tonnes of waste does School D recycle than School C?

tonnes
24 A librarian unpacks 12 boxes each containing 27 books. He places an equal number of books onto each of the 9 shelves until he has shelved all of the books from the boxes. How many books does the librarian put on each shelf?

15  30  36  48

25 Senin’s car is 2.75 metres long. The total length of the car and trailer is 4.3 metres.

What is the length of the trailer?

1.55 metres  1.65 metres  2.45 metres  2.55 metres

26 Freya is mowing the lawn. After 30 minutes, the mower runs out of fuel. Mower fuel is made by mixing petrol with oil. Freya adds 2 litres (L) of petrol and 80 millilitres (mL) of oil into the mower. How much fuel is in the mower?

82 mL  280 mL  2080 mL  20 080 mL
27 What is the difference between the temperatures in Sydney and Melbourne?

- Sydney: 40°C
- Melbourne: 40°C

°C

28 Holly rolls a standard dice once.
Which **two** of the following results are possible?

- Holly rolls a 1.
- Holly rolls all of the numbers 1 to 6.
- Holly rolls a 7.
- Holly rolls a 2 and a 3.
- Holly rolls a 5.
29
Kelly is travelling from Melbourne to Mackay in Queensland.
She must take two flights, one from Melbourne to Brisbane and one from
Brisbane to Mackay.
Kelly’s flight schedule is shown.

<table>
<thead>
<tr>
<th>Depart Melbourne</th>
<th>Arrive Brisbane</th>
<th>Depart Brisbane</th>
<th>Arrive Mackay</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 am</td>
<td>11:15 am</td>
<td>12:20 pm</td>
<td>1:50 pm</td>
</tr>
</tbody>
</table>

What is Kelly’s total flying time?
- ☐ 2 hours 15 minutes
- ☐ 1 hour 30 minutes
- ☐ 3 hours 20 minutes
- ☐ 3 hours 45 minutes
- ☐ 4 hours 50 minutes

30
Alan lists the art supplies needed for a project.
He rounds each price to the nearest dollar to estimate
the total cost of the supplies.
How much is Alan’s estimate?

$[ ]

<table>
<thead>
<tr>
<th>Art supplies</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>paper</td>
<td>$3.95</td>
</tr>
<tr>
<td>glue</td>
<td>$1.65</td>
</tr>
<tr>
<td>glitter</td>
<td>$2.20</td>
</tr>
<tr>
<td>buttons</td>
<td>$4.55</td>
</tr>
<tr>
<td>stickers</td>
<td>$3.80</td>
</tr>
</tbody>
</table>
Mim drew this shape on some grid paper.

Select the two shapes with the same area as Mim’s shape.

---

Tim looks at the menu. There are 3 courses.
He can choose a starter, a main meal and a dessert.

**Menu**

**Starters**
- Tomato soup $6
- Vegetable soup $7

**Mains**
- Salad sandwich $12
- Pesto pasta $14
- Seafood basket $18

**Desserts**
- Apple pie $8
- Fruit salad $6

Which two of these show a way to calculate the number of different 3-course meals Tim can choose?
- $2 \times 3 \times 2$
- $2 + 3 + 2$
- $3 + 2 \times 2$
- $3 \times 2 \times 2$
33 Kate is writing a number pattern.
17, 21, 25, 29, ___, ___, ?
She continues this pattern until she has written 7 numbers.
Select all of the options that will give the 7th number in Kate’s pattern.
- 29 \times (3 + 4)
- 29 + (3 \times 4)
- 29 + 4 + 4 + 4
- 29 + 3 + 3 + 3

34 Jackie has 12 fish.
Andy has 4 more fish than Jackie.
Which of these shows how to work out the total number of fish they have altogether?
- 12 + 4
- 12 - 4
- 12 \times 2 - 4
- 12 \times 2 + 4

35 This graph shows the number of adult and child tickets sold for a school play on different days of the week.

On which day is the difference between the number of adult and child tickets sold closest to 30?
- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
36. Lila lives in a land where there are no curves. She looks at the angles within each letter on this eye chart.

How many of the angles are less than a right angle?

37. What is the value of A?

38. Cara has 72 water bottles to hand out at a drink stop in a bike race. She puts equal numbers of bottles onto each table at the drink stop and has none left over. Select all of the options that could show the number of tables at the drink stop.

7 9 12 15 24
39 Janine is writing a list of numbers that follows these rules:

The number must
- be even
- lie between 6200 and 7400
- have digits that add to 13

Select all of the numbers Janine can add to her list.

7042   6302   7402   7123   7312   6142

40 Maggie looked at the calendar on 11 March.
She is going to the country to visit her cousin on 5 April.
She circled this on the calendar.

APRIL

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
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<td>1</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
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<td>29</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

What day of the week is 11 March?

Tuesday Wednesday Friday Saturday Sunday
41 Jo reads 60 pages of an 80-page book. 
Select all numbers that show the fraction of the book Jo has left to read.

<table>
<thead>
<tr>
<th>Number</th>
<th>Fraction</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/3</td>
<td></td>
</tr>
<tr>
<td>1/4</td>
<td></td>
</tr>
<tr>
<td>3/4</td>
<td></td>
</tr>
<tr>
<td>2/6</td>
<td></td>
</tr>
<tr>
<td>8/6</td>
<td></td>
</tr>
<tr>
<td>2/8</td>
<td></td>
</tr>
</tbody>
</table>

42 During the week, a bakery sells pies for $42.00 a dozen. 
On Sunday, the cost of the pies is discounted by 25%. 
How much will a dozen pies cost on Sunday?

$
Do not write on this page.
PRACTICE QUESTIONS

P1. How many apples are shown?

3 4 5 6

P2. Write a number in the box to make this number sentence correct.

6 + 4 =

P3. Select the two pizzas that are cut in half.