Please refer to accompanying justification documents for further details on the development and use of the Young Lives school survey questionnaires.
# Mathematics Exercises

## 4th grade

### STUDENT AND SCHOOL INFORMATION

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>School name and/or number</td>
<td>________________________________</td>
</tr>
<tr>
<td>0.2</td>
<td>School ID</td>
<td>[ ___ ___ ]</td>
</tr>
<tr>
<td>0.3</td>
<td>School shift</td>
<td>[ ___ ] 01=Morning 02=Afternoon</td>
</tr>
<tr>
<td>0.4</td>
<td>Student names and surnames</td>
<td>________________________________</td>
</tr>
<tr>
<td>0.5</td>
<td>Student ID</td>
<td>[ ___ - ___ ]</td>
</tr>
<tr>
<td>0.6</td>
<td>Class ID</td>
<td>[ ___ ]</td>
</tr>
</tbody>
</table>

### DATA HANDLER INFORMATION

<table>
<thead>
<tr>
<th>Role</th>
<th>Names and Surnames</th>
<th>Code</th>
<th>Date of application</th>
<th>At what time did you start the questionnaire?</th>
<th>At what time did you finish the questionnaire?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field worker</td>
<td>________________________________</td>
<td>[ ___ ___ ]</td>
<td>__ ___ / __ ___ / __ ___ ___ dd/mm/yyyy</td>
<td>[ ___ : ___ ]</td>
<td>[ ___ : ___ ]</td>
</tr>
<tr>
<td>Supervisor</td>
<td>________________________________</td>
<td>[ ___ ___ ]</td>
<td>__ ___ / __ ___ / __ ___ ___ dd/mm/yyyy</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### DATA ENTRY INFORMATION

<table>
<thead>
<tr>
<th>Role</th>
<th>Names and Surnames</th>
<th>Code</th>
<th>Date of first data entry</th>
<th>Date of second data entry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data entry clerk (first data entry)</td>
<td>________________________________</td>
<td>[ ___ ___ ]</td>
<td>__ ___ / __ ___ / __ ___ ___ dd/mm/yyyy</td>
<td></td>
</tr>
<tr>
<td>Data entry clerk (second data entry)</td>
<td>________________________________</td>
<td>[ ___ ___ ]</td>
<td>__ ___ / __ ___ / __ ___ ___ dd/mm/yyyy</td>
<td></td>
</tr>
</tbody>
</table>
INSTRUCTIONS
MATHEMATICS

- Read each question carefully and answer the best you can.
- If you take too long on a question, go to the next one. When you finish you can go back to the ones you haven’t answered.
- Mark all your answers in the booklet.

You will find several types of questions in the booklet. Let’s take a look:

Question 1

In this type of question you will have to look at the pictures and then mark the box with the correct answer. There is only one correct answer.

Example:

1. Mark with an X the box with more stars.

<table>
<thead>
<tr>
<th>Star</th>
<th>Star</th>
<th>Box</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Star" /></td>
<td><img src="image2" alt="Star" /></td>
<td><img src="image3" alt="Box" /></td>
</tr>
</tbody>
</table>

Question 2

There are questions in which you will have to look at the pictures and then write in the empty box the number of pictures that you see.

Example:

Complete the table writing the number of cars that you see. Follow the example of the first box.

Example:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image4" alt="Car" /></td>
</tr>
<tr>
<td>2</td>
<td><img src="image5" alt="Cars" /></td>
</tr>
</tbody>
</table>
Question 3

In this type of questions you will have to see the pictures and then mark the correct picture inside the box to complete the series. There is only one correct answer.

Example:
Mark with an X the picture in the box that completes the series. There is only one correct answer.

3.  

Question 4

In this type of question you will have to write in digits the number that you are asked.

Example:
Write in digits the number that corresponds to the following expression.

4. Three

Question 5

There are questions in which you have to mark the number that you are asked.

Example:
5. Mark with an X the number five.

6 ; 3 ; 5
Question 6

In other questions, you will have to solve the exercise by filling the correct answer in the blank space.

Example:

Write the correct number in the blank space to complete the series.

6. 1 ; 2 ; 3 ; [ ]

Question 7

There are also questions in which you will have to solve the exercise and then mark the option that has the correct answer. There is only one correct answer.

Example:

Solve the exercise and mark with an X the correct answer:

7. 1 + 1 =

A) 22
B) 4
C) 2

Question 8

In this type of question you will have to solve the exercise and write the correct answer in the blank space.

Example:

Write the answer in the blank space. You may use the extra space on the side to make your calculations.

8. 2 + 1

[ ]
Question 9

There are some questions in which you will have to draw a line to relate one column with the next one.

Example:

9. Draw a line to connect each picture with the word that relates to it.

Example:

9. Draw a line to connect each picture with the word that relates to it.

<table>
<thead>
<tr>
<th>ruler</th>
<th>pencil</th>
<th>notebook</th>
</tr>
</thead>
</table>

Question 10

There are also questions where you need to fix the order of the numbers from lowest to highest, placing the correct order on the blank lines.

Example:

10. Fix the order of the following numbers from LOWEST to HIGHEST:

| 3 | 1 | 4 | 2 |

Lowest  ,  ,  ,  ,  Highest
Question 11

Finally, there are exercises where you have to solve the problem by placing your calculations in the blank space and then writing your answer on the line.

Example:

11. Daniel and Carmen bought pencils. Daniel bought 1 pencil and Carmen bought 2. How many pencils do they have between the both of them?

Write you procedure here.

Answer: ________________________________________________________________
Write in digits the number that corresponds to the following expressions.

1. Seven tens and nine units

2. Two thousands, four hundreds, eight tens and two units

3. Look at the numbers. Mark with an X all the numbers that are lower than 100.

   14  89  700  302
   25  106  41  99

4. Fill in the blank with the number that completes the series.

   0 ; 25 ; 50 ;

5. 1 ; 2 ; 4 ; 7 ; 11 ;

YOU MAY BEGIN NOW.
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6.</td>
<td><strong>802</strong></td>
<td><strong>800 + 20 + 2</strong></td>
</tr>
<tr>
<td>7.</td>
<td><strong>820</strong></td>
<td><strong>800 + 20</strong></td>
</tr>
<tr>
<td>8.</td>
<td><strong>822</strong></td>
<td><strong>800 + 2</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>80 + 2</strong></td>
</tr>
</tbody>
</table>

Write the answer in the blank space. You may use the extra space on the side to make your calculations.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9.</td>
<td><strong>1 536 + 6 278</strong></td>
</tr>
<tr>
<td>10.</td>
<td><strong>2 730 - 1 636</strong></td>
</tr>
</tbody>
</table>

11. Solve:

\[ 945 + 75 + 1 528 \]

Write your procedure here

Answer: 

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Fill in the blank spaces to complete the exercises. You may use the extra space on the side to make your calculations.

12. \[25 - \_ \_ \_ = 10\]

13. \[\_ \_ \_ - 135 = 645\]

14. \[4000 - \_ \_ \_ = 1500\]

15. Alberto has 16 white cows and 32 brown cows. How many cows does he have in total?

Write your procedure here

Answer: _____________________________________________________

16. A school received 85 books. 31 books were distributed to the students. How many books are left?

Write your procedure here

Answer: _____________________________________________________
17. People from different places arrived to a town: 156 persons arrived on Thursday, 269 on Friday, and 304 on Saturday. How many persons arrived to the town in total?

Write your procedure here

Answer: _____________________________________________________

18. A school has 253 students. During recess, 119 students go out to the yard. How many students didn’t go to the yard?

Write your procedure here

Answer: _____________________________________________________
19. Rosa paid with S/. 50.00 for the purchase of the skirt and the shirt shown next:

[Images of a skirt and a shirt with prices S/. 28.00 and S/. 15.00]

How much change did she get in return?

Write your procedure here

Answer: _____________________________________________________

20. A ruler costs S/. 0.80. If a pen costs S/. 0.60 more than the ruler, how much does the pen cost?

Write your procedure here

Answer: _____________________________________________________
21. Bertha paid S/. 22.50 for a skirt and S/. 18.00 for a blouse. If she paid with a S/. 100 bill, how much change did she get in return?

Write your procedure here

Answer: _____________________________________________________

Write the answer in the blank space. You may use the extra space on the side to make your calculations.

22. 53 x 8

23. 304 x 20

Write the answer in the blank space. You may use the extra space on the side to make your calculations.

24. 84 ÷ 4 =

25. 270 ÷ 4
Draw a line to connect each figure with the fraction that corresponds to the gray area:

26. [Diagram with five shaded parts out of six]

27. [Diagram with three shaded parts out of seven]

28. [Diagram with five shaded parts out of eight]

29. In class we have 5 marker cases. Each case has 6 markers in it. How many markers do we have in the class in total?

Write your procedure here

Answer: _____________________________________________________
30. Marco sold 35 eggs. Lucía sold 7 times the amount of eggs that Marco sold. How many eggs did Lucía sell?

Answer: _____________________________________________________

31. There are 60 balloons in a party. The balloons were distributed to 15 guests so that everyone had the same amount of balloons. ¿How many balloons did each guest get?

Write your procedure here

Answer: _____________________________________________________

31. Fix the order of the following numbers from LOWEST to HIGHEST:

\[
\frac{1}{2}, 1, 0.25, 0.1
\]

Lowest, , , Highest

32. Lucía sold 7 times the amount of eggs that Marco sold. How many eggs did Lucía sell?

Write your procedure here

Answer: _____________________________________________________
33. Mr. Pablo distributes 84 seeds between 4 kids. Each kid received the same amount of seeds. How many seeds did each kid receive?

Answer: ____________________________________________________________________________

34. Teresa bought 0.5 liters of milk. How much milk does she have to buy to complete 1 liter?

Mark with an X the correct answer.

A) \[ \frac{1}{4} \] of a liter

B) \[ \frac{1}{10} \] of a liter

C) \[ \frac{1}{2} \] a liter
35. In order to play a game, 254 kids must form teams of 10 players each. How many kids won’t be able to be a part of any team?

Write your procedure here

Answer: _____________________________________________________

36. What fraction of the total of these animals are cats?

Answer: _____________________________________________________

37. Susana needs 3 balls of wool to knit a hat and 6 balls of the same wool to knit a sweater. How many balls of wool will she have to use in total to knit 3 hats and 2 sweaters?

Write your procedure here

Answer: _____________________________________________________

YOU HAVE FINISHED THE EXERCISES.