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

## 5th grade

### STUDENT AND SCHOOL INFORMATION

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<table>
<thead>
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<td>School name and/or number</td>
<td>_________________________________</td>
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<tr>
<td>0.2</td>
<td>School ID</td>
<td>[ __ __ ]</td>
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<tr>
<td>0.3</td>
<td>School shift</td>
<td>[ __ ] 01=Morning 02=Afternoon</td>
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<tr>
<td>0.4</td>
<td>Student names and surnames</td>
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<td>0.5</td>
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<td>[ __ __ - __ __ ]</td>
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<tr>
<td>0.6</td>
<td>Class ID</td>
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### DATA HANDLER INFORMATION

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

### DATA ENTRY INFORMATION

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<tbody>
<tr>
<td>Data entry clerk (first data entry)</td>
<td>Names and Surnames:</td>
<td>_________________________________</td>
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<tr>
<td></td>
<td>Code:</td>
<td>[ __ __ ]</td>
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<td>Signature:</td>
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<td>Date of first data entry:</td>
<td>__ __ / __ __ / __ __ __ __ dd/mm/yyyy</td>
</tr>
<tr>
<td>Data entry clerk (second data entry)</td>
<td>Names and Surnames:</td>
<td>_________________________________</td>
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<tr>
<td></td>
<td>Code:</td>
<td>[ __ __ ]</td>
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<tr>
<td></td>
<td>Signature:</td>
<td>_________________________________</td>
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<tr>
<td></td>
<td>Date of second data entry:</td>
<td>__ __ / __ __ / __ __ __ __ dd/mm/yyyy</td>
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</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.

![Example Image]

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>![Car Image]</td>
</tr>
<tr>
<td>2</td>
<td>![Car Image]</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. ![Series Picture]

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.

- [Picture of a pen] - pencil
- [Picture of a ruler] - ruler
- [Picture of a notebook] - notebook

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:

2, 4, 1, 3

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: ___________________________________________________________
Draw a line to connect each number with its equal:

1. 802
   800 + 20 + 2

2. 820
   800 + 20

3. 822
   80 + 2

4. Solve:

   945 + 75 + 1528

   Write your procedure here

   Answer: _____________________________________________________

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

5. 4000 - [blank] = 1500
6. Solve:

19 478 - 5 201 - 6 307

Write your procedure here

Mark with an X the correct answer.
A) 7 970
B) 8 970
C) 12 177
D) 14 277

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

How much change did she get in return?

Write your procedure here

Answer: _____________________________________________________

s/. 15.00
s/. 28.00
8. A bakery sold 458 breads during the morning and during the afternoon they sold 149 breads less than the morning. How many breads did they sell in total that day?

Write your procedure here

Mark the correct answer with a cross (X).

A) 767  
B) 777  
C) 607  
D) 309

Solve the following exercises and write the answer on the line. You may use the extra space on the side to make your calculations.

9. \[ \begin{array}{c}
304 \\
20 \\
\end{array} \]

Answer: ____________________

10. \[ \begin{array}{c}
270 \\
4 \\
\end{array} \]

Answer: ____________________
11. Solve:

\[ 10 + 5 \times 3 \]

Write your procedure here

Answer: _____________________________________________________

12. Solve:

\[ 22 - 8 \div 2 \]

Write your procedure here

Answer: _____________________________________________________

13. Marco sold 35 eggs. Lucía sold 7 times the amount of eggs that Marco sold. How many eggs did Lucía sell?

Write your procedure here

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

Write your procedure here

Answer: ________________________________

15. 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: ________________________________
16. Arturo worked for 5 days in the market. He received 20 soles for every day that he worked. If he also has 24 soles saved from before, how much money does he have in total?

Write your procedure here

Mark with an X the correct answer.

A) 44 soles
B) 49 soles
C) 100 soles
D) 124 soles

17. Miguel bought 96 chickens and distributed them equally among 4 cages. If 8 chickens escaped from one of the cages, how many chickens are left in that cage?

Write your procedure here

Mark with an X the correct answer.

A) 88 chickens
B) 24 chickens
C) 22 chickens
D) 16 chickens
Draw a line to connect the amount of money represented in each picture with the number that represents that amount.

18. [Image of 2 x 21.5 and 1 x 10 centimos coins] 50.00

19. [Image of 2 x 20 and 2 x 10 soles banknotes] 5.60

20. [Image of 3 x 5 and 2 x 50 centimos coins] 55.00
21. Solve:

\[65.827 + 63.503 - 100.298\]

Write your procedure here

Mark with an X the correct answer.

A) 29.032
B) 29.168
C) 102.623
D) 129.330

Draw a line to connect each figure with the fraction that corresponds to the gray area:

22.  

23.  

24.  

\[\frac{2}{5}\]

\[\frac{8}{5}\]

\[\frac{3}{7}\]

\[\frac{5}{8}\]
Draw a line to connect each figure with the name of the fraction that corresponds to the gray area:

25. Three sevenths

26. Three quarters

27. Seven thirds

28. Solve:

\[
\frac{5}{6} - \left( \frac{1}{6} + \frac{2}{6} \right)
\]

Write your procedure here

Answer: ________________________________
29. Solve:

\[ \frac{1}{4} + \frac{2}{8} = \]

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: _____________________________________________________
31. Pedro, Juan and Eva collected S/. 75.60. Peter gave S/. 15.60 and Juan, S/. 27.50. How much money did Eva give?

Write your procedure here

Mark with an X the correct answer.

A) S/. 32.50
B) S/. 43.10
C) S/. 47.50
D) S/. 118.70

32. Mark with an X the correct equality. You may use the extra space on the side to make your calculations.

A) \[
\frac{8}{10} = 0.08
\]

B) \[
\frac{8}{10} = 8.10
\]

C) \[
\frac{8}{10} = 0.80
\]

D) \[
\frac{8}{10} = 0.801
\]
34. Teresa bought 0.5 liters of milk. How much milk does she have to buy to complete 1 liter?

Write your procedure here

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

34. In a store, a kilo of beans costs S/. 1.50 and a box of matches costs S/. 0.50. How much will 4 kilos of beans cost?

Write your procedure here

Mark with an X the correct answer.

A) S/. 1.50
B) S/. 2.00
C) S/. 4.00
D) S/. 6.00