

# ANSWERS AND EXPLANATIONS FOR EQAO GRADE 3 SAMPLE MATHEMATICS TEST

**Parents:** Look over your child's math test, and evaluate your child's work.

Following are the answers for that test, and a brief explanation of how the student should have arrived at the answer. Correct your child's work, and use the explanation to help the child understand why errors were made.

Section

1

1. The students in Henry's class are saving pop tabs. So far they have collected 370. They want to collect about 1000 before they donate them to the hospital. About how many more tabs need to be collected? **600**

*The student must subtract the 370 tabs already collected from the goal of 1000, and then round off the answer (630) to the nearest 100. (The question asks "about" how many...)*

2. Which measurement is the longest? **2 km**  
*The student must realize that the important part of the question is not the numbers, but the units of measurement: kilometres are much longer than metres, centimetres or millimetres.*

3. Juanita picked 30 apples. She wants to divide them equally among 7 friends. She keeps 2 for herself. How many apples will each friend receive? **4**

*The student must subtract the two apples that Juanita keeps for herself from the 30 apples that she picked, and then divide the remaining 28 apples by 7 (for her 7 friends).*

4. Sergio wants to solve this number sentence:  $35 - 9 = \underline{\quad}$   
Which of the following number sentences could Sergio use to check his work?  
 **$26 + 9 = 35$**   
*The correct number sentence must use the same three numbers, and is the reverse operation. (Addition is the reverse of subtraction.)*

5. Vijay is making a pattern... **5, 10, 15, 5, 10, 15, 5 ...**

6. What is  $28 \div 4$ ? **7**

7. Louisa's teacher asks her to subtract 269 from 547.

Here is Louisa's work:

$$\begin{array}{r} 547 \\ -269 \\ \hline 322 \end{array}$$

Is Louisa's work correct? No Show how you know.

*The student should subtract  $547 - 269$ , and get the correct answer, 278.*

*Student could also verify that answer by adding  $269 + 278 = 547$ .*

*Further explanation: After you do the borrowing, when you subtract 9 from 17, the answer is 8, not 2. When you subtract 6 from 13, the answer is 7, not 2.*

*And when you subtract 2 from 4, the answer is 2. **The correct answer is 278.***

