

EQAO Grade 6 Math Test Prep

— Teacher Guide —

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RUTH SOLSKI was an educator for 30 years. She has written many educational resources and is the founder of S&S Learning Materials. As a writer, her main goal is to provide teachers with a useful tool that they can implement in their classrooms to bring the joy of learning to children.

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About This Book

This book was created to help Grade 6 students prepare for the EQAO Mathematics Assessment test. The 10 practice tests were designed to be similar to the actual test the students will be taking. The questions are either multiple choice or open response so that students can get familiar with the question/answer format.

The first 5 tests each feature a different key math skill for targeted practice: Number Sense and Numeration, Patterning and Algebra, Measurement, Geometry and Spatial Sense, and Data Management and Probability. Students struggling in any of these areas will benefit from this skill-specific practice. The following 5 tests feature mixed math skills with questions that are a combination of all the math skills.

There is no particular sequence to the tests. They can be used in whatever order you choose to fit your students needs.

Number Sense and Numeration

1. A fresh shipment of mangoes just arrived at the market. Each mango cost 90¢. How many mangoes can be bought for \$10.80?
 9
 20
 11
 12
2. Which of the following represents the greater number?
 0.24
 2.4
 1.24
 2.04
3. Which of the numbers below comes between 85% and 95%?
 0.15
 0.61
 0.89
 .98
4. What is 5% of \$250,000?
 \$12 500
 \$125
 \$125 000
 \$12.50
5. Which of the numbers below expresses 6 ones and 93 hundredths?
 6.93
 6.193
 .693
 6.930

Number Sense and Numeration

6. What is the cost of 24 textbooks at \$35.00 each?
- \$940
 - \$740
 - \$640
 - \$840
7. Which of the percentages listed below is equal to $\frac{1}{2}$?
- 33%
 - 50%
 - 90%
 - 60%
8. What is the correct way to write the number 80 185 in words?
- eight thousand eighty-five
 - eight hundred thousand one eighty-five
 - eighty thousand one hundred eighty-five
 - eighty thousand eighty-five
9. I am a number. Subtract me from 25; divide by 5; the result is 3.
- What number am I?
- 5
 - 15
 - 20
 - 10
10. Which of the following is the expanded numeral for 842 071?
- $8 + 4 + 2 + 0 + 7 + 1$
 - $(800 \times 1\,000) + (42 \times 1\,000) + 71$
 - $(8 \times 10\,000) + (40 \times 10\,000) + 271$
 - $(800 \times 1\,000) + (4 \times 10\,000) + (2 \times 1\,000) + (7 \times 100) + 1$

Number Sense and Numeration

11. A group of 25 tourists are taking a trip to the art museum for a guided tour. Each tourist pays the following costs for the trip:

TRANSPORTATION: \$14.85

MUSEUM ADMISSION: \$6.35

LUNCH: \$10.70

TOUR GUIDE FEE: \$2.40

Round the costs to the nearest dollar and use them to estimate the total cost for the 25 tourists.

Show your work.

The estimated total cost for all 25 tourists is _____ .

Number Sense and Numeration

12. A class of 50 college students took a science test — 35 students passed the test; 15 students failed the test.

Fill in the chart below to express the following:

- ratio of students who passed the test to the number of students who took the test
- fraction of students who passed the test (reduce to a simple fraction)
- percent of students who passed the test
- percent of students who failed the test

Ratio of Students Who Passed	Fraction of Students Who Passed	Percent of Students Who Passed	Percent of Students Who Failed

Show your work.

Number Sense and Numeration

13. Blaine's Department Store did a survey of its customers to see what percentage of them shopped online. The results were 40% of their customers shopped online.

Which of the following numbers is equivalent to 40%?

- 4.0
 - $\frac{1}{4}$
 - $\frac{4}{10}$
 - 0.04
14. A farmer sold 93 lambs. He sold 41 of them at \$280 each; the rest he sold at \$225 each. How much money did he receive for the lambs?
- \$22 180
 - \$22 480
 - \$23 180
 - \$23 170

15. Zafar is training for a 10k marathon. It takes him 18 minutes to walk 1 kilometre. At that rate, how long will it take him to walk 10 kilometres?

- 1 hour
- 3 hours
- 2 hours
- 5 hours

16. The dance teacher needs to arrange 96 dancers in rows. Each row must have an equal number of dancers. Which of the following could be the method the dance teacher uses to arrange the dancers?

- 7 rows of 11
- 12 rows of 14
- 8 rows of 9
- 8 rows of 12

Number Sense and Numeration

17. Rachel and her brother ordered a pizza. When it came it was cut into 8 slices. Rachel ate $\frac{1}{4}$ of the pizza. Then her brother ate $\frac{1}{2}$ of what was left.

How many slices were left for Rachel's mom to eat?

Show your work.

Rachel's mom ate _____ slices.

Number Sense and Numeration

18. The Martinez family lives in Windsor. They rented a van so that they could travel to Quebec City for the Winter Carnival festivities. They left at 8:00 a.m. on a Saturday morning.

Below are the distances between the cities that they travelled through on their way.

WINDSOR to TORONTO: 370 km

TORONTO to KINGSTON: 260 km

KINGSTON to MONTREAL: 290 km

MONTREAL to TROIS-RIVIERES: 181 km

TROIS-RIVIERES to QUEBEC CITY: 169 km

- a. What is the total distance the Martinez family travelled?
- b. At a speed of 110 km per hour, how long did it take them to reach their destination without stopping?
- c. Approximately what time did they arrive in Quebec City?

Show your work.

- a. They travelled _____ km.
- b. It took them _____ to get there.
- c. They arrived at approximately _____ .

