ELIMU254 TOPICAL REVISION

Kenya CBC | Primary School | Grade 6

Name		**Class**	
School		**Year**	

TOPICAL REVISION QUESTIONS

GRADE 6: MATHEMATICS: ALL STRANDS

166 questions in 16 exercises, with all the answers at the back

HOW TO USE THIS BOOK

1. Each subject follows the KICD curriculum design strand by strand. There is one exercise for every sub-strand, in the order it is taught.
2. Do an exercise after the sub-strand is taught, for revision before a test, or as homework and holiday work.
3. Answer in the spaces provided. For a multiple-choice question, circle the letter (A, B, C or D) of the correct answer.
4. The marks for each question are shown in brackets. Show your working where a question needs it.
5. The answers for every exercise are at the back of the book, subject by subject, for the teacher or parent to mark.

SUBJECTS IN THIS BOOK

Subject	Exercises	Questions
Mathematics	16	166

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MATHEMATICS

Revision questions

NUMBERS

Exercise 1: Whole Numbers (32 marks)

1. What is the place value of 4 in 2,436,105? (1 mark)

A Thousands
B Hundred thousands
C Ten thousands
D Millions

2. Round 73,512 to the nearest thousand. (1 mark)

A 73,000
B 73,500
C 70,000
D 74,000

3. What is 25^2? (1 mark)

A 625
B 50
C 525
D 225

4. The place value chart below shows a number.

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
5	0	7	3	0	4	9

Place value chart

(a) Write the number in symbols. (1 mark)

(b) What is the place value of the digit 7? (1 mark)

(c) What is the total value of the digit 3? (1 mark)

(d) Write the number in expanded form. (2 marks)

5. A county had 58,406 learners in Grade 6.

(a) Write 58,406 in words. (2 marks)

(b) Write "sixty thousand and ninety" in symbols. (1 mark)

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6. Use each of the digits 4, 0, 9, 2 and 7 once.

(a) Write the largest 5-digit number you can make. (1 mark)

(b) Write the smallest 5-digit number you can make. (A number cannot start with 0.) (1 mark)

(c) Round your largest number to the nearest thousand. (1 mark)

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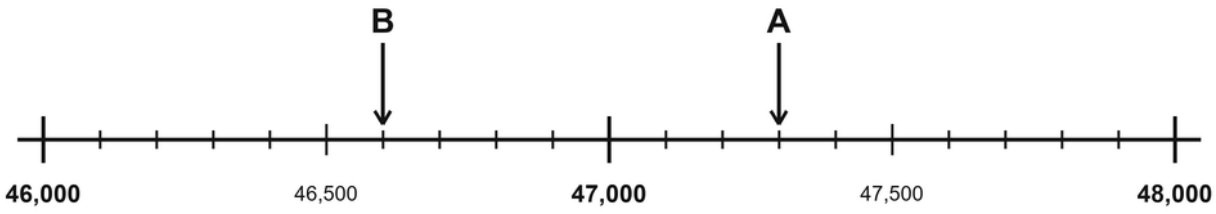
7. Learners counted the road users who passed their school gate in four months: January 48,215; February 48,152; March 48,521; April 48,125.

(a) Arrange the four numbers in ascending order (smallest first). (2 marks)

(b) In which month did the most road users pass the gate? (1 mark)

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8. Points A and B are marked on the number line below.



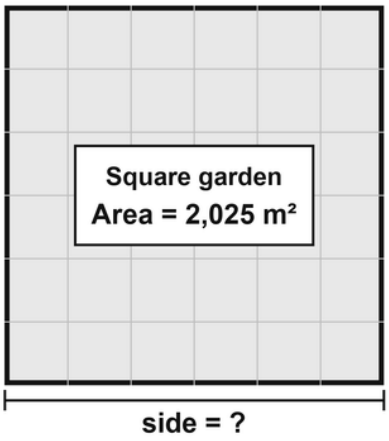
Each small mark is 100.

(a) Write the numbers at A and at B. (2 marks)

(b) Round each of them to the nearest thousand. (2 marks)

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9. The picture shows a square garden and its area.



A square garden

(a) Find the length of one side of the garden. (2 marks)

(b) A second square garden has sides of 52 m. Find its area. (2 marks)

10. Work out:

(a) 64^2 (2 marks)

(b) the square root of 7,056 (2 marks)

CHALLENGE: harder questions to stretch the best learners

11. Which of these numbers rounds to 46,000 when rounded to the nearest thousand? (1 mark)

A 45,499 **B** 46,501

C 45,500 **D** 46,550

12. In the number 7,507,000 the digit 7 appears twice. What is the difference between the total values of the two 7s? (2 marks)

Exercise 2: Multiplication (20 marks)

1. 1,204 × 15 = ? (1 mark)

A 18,600 **B** 17,060

C 18,060 **D** 16,860

2. Estimate 48 × 61 by rounding each number to the nearest ten. (1 mark)

A 3,000 **B** 2,400

C 3,500 **D** 2,880

3. What is the next number in the pattern 5, 20, 80, ...? (1 mark)

A 100 **B** 160

C 240 **D** 320

4. A crate holds 24 bottles of milk. A depot has 1,236 full crates.

How many bottles are in the depot? Show your working. (2 marks)

5. A school bought 18 desks at Ksh 2,750 each.

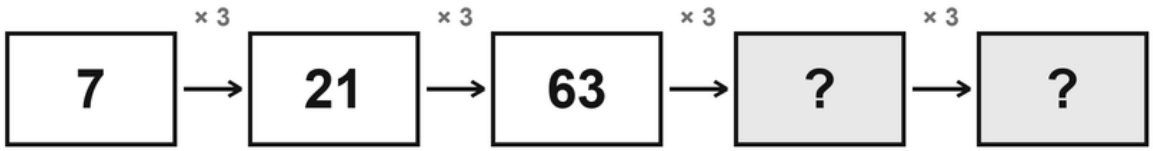
How much did the school pay? (2 marks)

6. Consider the multiplication 3,485 × 52.

(a) Estimate the product by rounding each number to the nearest ten. (2 marks)

(b) Work out the exact product. (2 marks)

7. The boxes below show a number pattern.



Number pattern

(a) Write the two missing numbers. (2 marks)

(b) What rule makes the pattern? (1 mark)

8. Start at 125 and multiply by 2 each time. Write the next three numbers of the pattern. (3 marks)

CHALLENGE: harder questions to stretch the best learners

9. Estimate 49 × 31 by first rounding each number to the nearest ten. (1 mark)

A 1,519 **B** 1,500

C 2,000 **D** 1,200

10. A school bus carries 48 learners on each trip. It makes 4 trips a day for 23 school days. How many learner-trips is that? (2 marks)

Exercise 3: Division (23 marks)

1. 2,592 ÷ 24 = ? (1 mark)

A 18 **B** 180

C 118 **D** 108

2. Estimate 2,796 ÷ 41 by rounding both numbers to the nearest ten. (1 mark)

A 60 **B** 70

C 68 **D** 700

3. Work out 36 + 64 ÷ 8 × 2. (1 mark)

A 25 **B** 92

C 52 **D** 20

4. Work out 2,856 ÷ 136. Show your working. (2 marks)

5. Consider 2,396 ÷ 59.

(a) Estimate the answer by rounding both numbers to the nearest ten. (2 marks)

(b) Work out the exact answer, giving the remainder. (2 marks)

6. Work out 325 + 480 ÷ 16 - 12 × 9. Show each step. (3 marks)