

Al Muraijib school



ANSWERS

EOT1 EXAM-2025-2026 CONTENT COVERAGE REVISION-WRITTEN PART



اليازية الظاهري
مديرة المدرسة

Academic Year	2025/2026	Marks of MCQ	(2-4)
العام الدراسي		درجة الأسئلة الموضوعية	
Term	1	Number of FRQ	5
الفصل		عدد الأسئلة المقالية	
Subject	Mathematics/Reveal	Marks per FRQ	(5-10)
المادة	الرياضيات/ريفييل	الدرجات للأسئلة المقالية	
Grade	6	Type of All Questions	MCQ/ الأسئلة الموضوعية
الصف		نوع كافة الأسئلة	FRQ/ الأسئلة المقالية
Stream	General		
المسار	العام		
Number of MCQ	20	Maximum Overall Grade	100
عدد الأسئلة الموضوعية		الدرجة القصوى الممكنة	

Exam Duration - مدة الامتحان	150 minutes
Mode of Implementation - طريقة التطبيق	SwiftAssess & Paper-Based
Calculator	Not Allowed
الآلة الحاسبة	غير مسموحة

Written Part- 5 questions- 40 marks

الأسئلة المقالية - FRQ	21	Represent a collection of equivalent ratios	ex1,ex2,ex3	15,16,17
	22	Graph a ratio relationship on the coordinate plane	(1-3)-(7-8)	27,28
	23	Model percents using 10 x 10 grids and bar diagrams.	(1-6)	83
	24	Find the whole, given the part and the percent by using bar diagrams, ratio tables, double number lines, and equivalent ratios	(8-9)	127,128
	25	Solve problems by using the standard algorithms for addition, subtraction, multiplication, and division to compute with multi-digit,	(3,4,7,8)	153

البايزة الظاهري
مديرة المدرسة

Part 1	Type of Questions	FRQ	Marks per each Question	5-10 marks
1	Represent a collection of equivalent ratios.	ex-1, ex-2 & ex-3		MODULE-1- L 1.2 Pages:15,16&17

🌟 Example 1 Scale Forward to Find Equivalent Ratios

To make yellow icing, Amida mixes 6 drops of yellow food coloring with 2 cups of white icing.

How many drops of yellow food coloring should Amida mix with 8 cups of white icing to get the same shade of yellow?

yellow	6	?
white	2	8

X 4

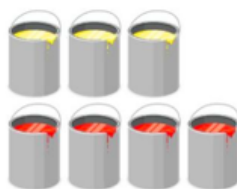
OR

$$\frac{6}{2} = \frac{?}{8} = \frac{6 \times 8}{2} = \frac{48}{2} = 24$$

24 cups of yellow food coloring.

🌟 Example 2 Scale Backward to Find Equivalent Ratios

Akeno mixes three sample containers of yellow paint with four sample containers of red paint to create his favorite shade of orange paint. His little sister Aiko wants to create the same shade of orange paint, but she only has two sample containers of red paint.



yellow	3	?
red	4	2

÷ 2

OR

$$\frac{3}{4} = \frac{?}{2} = \frac{3 \times 2}{4} = \frac{6}{4} = \frac{3}{2} = 1.5$$

1.5 (1 and a half) containers of yellow paint.

🌟 Example 3 Scale in Both Directions

Natasha made raspberry punch for a party by mixing 9 fluid ounces of fruit punch, 3 liters of soda, and 6 scoops of raspberry ice cream. Halfway through the party, the punch bowl was empty.

If Natasha only has 6 fluid ounces of fruit punch left, how much ice cream does she need to make another batch of punch?

Fruit punch	9	6
Ice cream	6	?

OR

$$\frac{9}{6} = \frac{6}{?} = \frac{6 \times 6}{9} = \frac{36}{9} = 4$$

Fruit punch	9	6
Ice cream	6	?

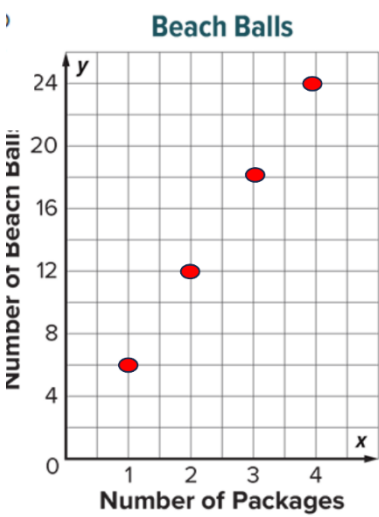
9 ÷ 3 = 3
6 ÷ 3 = 2

4 scoops of ice cream

1. Lulah is buying beach balls for her beach themed party. Each package contains 6 beach balls. Generate the set of ordered pairs for the ratio relationship between the number of beach balls y and the number of packages x for a total of 1, 2, 3, and 4 packages. Then graph the relationship on the coordinate plane and describe the pattern in the graph. (Examples 1 and 2)

(1, 6), (2, 12), (3, 18), (4, 24);

This means that the number of beach balls increases by 6 as the number of packages increases by 1.

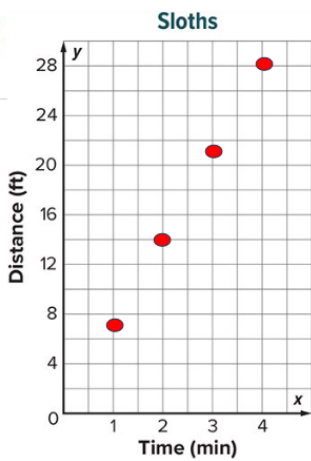


2. A sloth travels about 7 feet every minute. Generate the set of ordered pairs for the ratio relationship between the total distance traveled y and the number of minutes x for a total of 1, 2, 3, and 4 minutes. Then graph the relationship on the coordinate plane and describe the pattern in the graph.

(Examples 1 and 2)

(1, 7), (2, 14), (3, 21), (4, 28)

This means that the distance travelled increases by 7 feet as the number of minutes increases by 1 minute.



3. Two friends are making scrapbooks. The number of photos Lexi and Audrey place on each page of their scrapbooks is shown in the graph. Describe the ratio relationship for each person.

The ratio of the number of pages to the number of photos

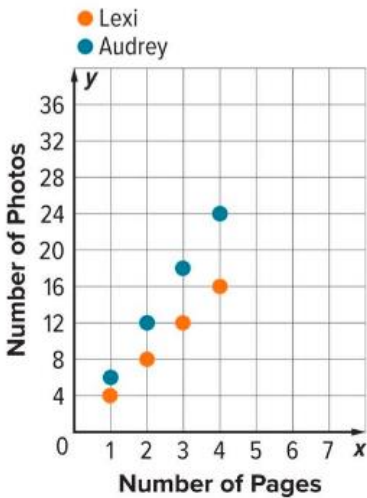
Lexi----(1,4), (2,8), (3,12), (4,16)

The number of photos increases by 4 as the number of pages increases by 1.

Audrey-----(1,6), (2,12), (3,18), (4,24)

The number of photos increases by 6 as the number of pages increases by 1.

Audrey places more photos in each page than Lexi.



7. **MP Reason Abstractly** The table gives the number of beads needed to make bracelets of certain lengths. Suppose you graph the ordered pairs (bracelet length, number of beads) on the coordinate plane. Would the point (10.5, 42) make sense in this context? Explain.

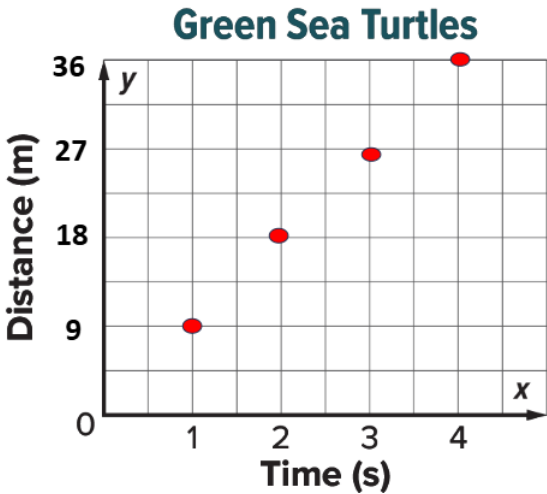
$$\begin{array}{r} 2 \\ 10.5 \\ \times 4 \\ \hline 42.0 \end{array}$$

Bracelet Length (in.)	7	8	9	10
Number of Beads	28	32	36	40

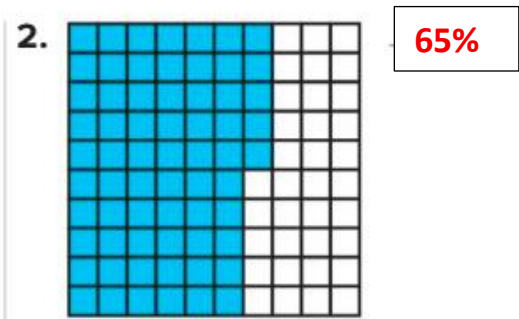
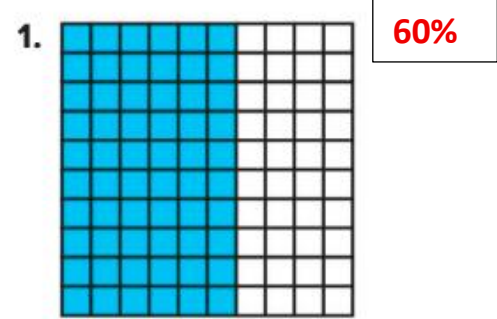
Yes, it does make sense in this context. (10.5, 42) means, for 10.5 in length of bracelet, 42 beads are needed. $10.5 \times 4 = 42$

8. **Multiple Relationships** For every second, the average green sea turtle can swim 9 meters. Represent how far a green sea turtle can swim in 1, 2, 3 and 4 seconds in a table. Then graph the points on a coordinate plane.

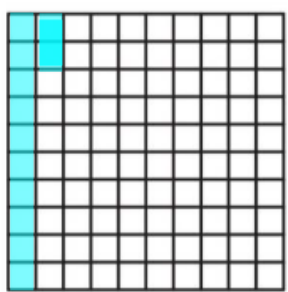
Time (s)	1	2	3	4
Distance (m)	9	18	27	36



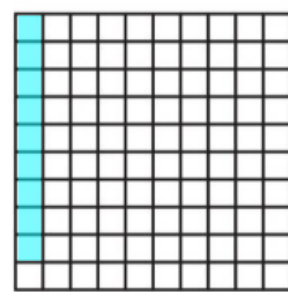
For Exercises 1 and 2, identify the percent represented by each 10 × 10 grid. (Example 1)



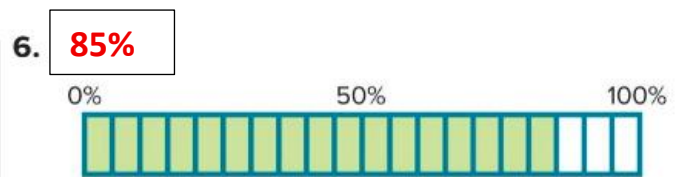
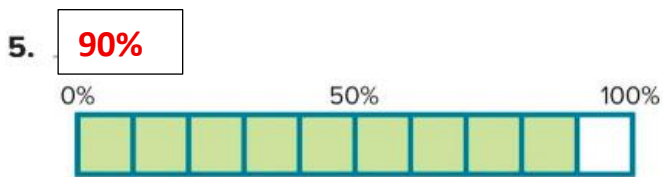
3. In a school survey, 12% of the students surveyed said they like camping. Shade the 10 × 10 grid to model 12%. (Example 2)



4. Of the students in the lunch line, 9% said they were buying strawberry milk. Shade the 10 × 10 grid to model 9%. (Example 2)



For Exercises 5 and 6, identify the percent represented by each bar diagram. (Example 3)



4	Find the whole, given the part and the percent by using bar diagram, ratio tables, double number lines, and equivalent ratios.	8-9	MODULE-2-L 2.6 Page: 127&128
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- 8. Open Response** The number of sixth grade students accounts for 35% of the total number of students enrolled in middle school. There are 245 sixth grade students. How many students are enrolled in the middle school?

$$\frac{\text{Part}}{\text{Whole}} = \frac{\text{percent}}{100}$$

$$\frac{245}{W} = \frac{35}{100}$$

$$W = \frac{245 \times 100}{35}$$

$$= \frac{24500}{35} = 700 \text{ students}$$

Apply

- 9.** Three different options for school lunch were offered on Friday. The table shows the percent of the total lunches sold for each option. If 270 students bought a cheese pizza or a pepperoni pizza, how many lunches were sold on Friday? If each lunch costs \$3.50, how much money will the cafeteria earn from all of the lunches?

Option	Percent
Cheese Pizza	50
Pepperoni Pizza	40
Fried Chicken	10

Cheese pizza or pepperoni- 50 + 40 = 90%

$$\frac{\text{Part}}{\text{Whole}} = \frac{\text{percent}}{100}$$

$$\frac{270}{W} = \frac{90}{100}$$

$$W = \frac{270 \times 100}{90}$$

$$= \frac{27000}{90} = 300 \text{ lunches sold}$$

Each lunch costs \$3.50

Cost of 300 lunches= 300 x 3.50 = \$1050

