تجميعة أسئلة وفق الهيكل الوزاري الجديد منهج ريفيل

التواصل الاجتماعي بحسب الصف السادس					
صفحة المناهج الإماراتية على فيسبوك					
المواد على تلغرام	التربية الاسلامية	اللغة العربية	اللغة الانجليزية	الرياضيات	

المزيد من الملفات بحسب الصف السادس والمادة رياضيات في الفصل الأول	
كراسة تدريبية مراجعة وفق الهيكل الوزاري الجديد منهج بريدج	1
حل مراجعة الوحدة الثالثة إجراء عمليات حسابية على الأعداد متعددة الأرقام	2
مراجعة الوحدة الثالثة إجراء عمليات حسابية على الأعداد متعددة الأرقام	3
حل مراجعة الوحدة الثانية الأعداد العشرية والكسور والنسب المئوية	4
مراجعة الوحدة الثانية الأعداد العشرية والكسور والنسب المئوية	5

EOT COVERAGE-2025-26

GRADE 6 -GENERAL

Total marks : 100

هذه نسخة جمعها بعض المعلمين وقمت فقط بتنسيقها فجزى الله خيرا فاعلها

Academic Year العام الدراسي	2025/2026
Term الفصل	1
Subject المادة	Mathematics/Reveal الرياضيات/ريفيل
Grade الصف	6
Stream المسار	General العام
Number of MCQ عدد الأسئلة الموضوعية	20
Marks of MCQ درجة الأسئلة الموضوعية	(2-4)

Number of FRQ عدد الأسئلة المقالية	5
Marks per FRQ الدرجات للأسئلة المقالية	(5-10)
Type of All Questions نوع كافة الأسئلة	MCQ/ الأسئلة الموضوعية FRQ/ الأسئلة المقالية
Maximum Overall Grade الدرجة القصوى الممكنة	100
Exam Duration - مدة الامتحان	150 minutes
Mode of Implementation -طريقة التطبيق	SwiftAssess & Paper-Based
Calculator الآلة الحاسبة	Not Allowed غير مسموحة

1. Show a ratio relationship between two quantities using different representations. (page : 11- Question 1-6)

1. In Suri's coin purse, she has 6 dimes and 4 quarters. Martha has 5 dimes and 3 quarters. Suri thinks that the ratio of dimes to quarters in both purses is the same because they each have 2 more dimes than quarters. Is the same ratio of dimes to quarters maintained? Justify your response.

2. In a trivia game, Levi answered 8 questions correctly out of 10 turns in the game. He then answered the next three questions correctly. He reasoned that because he added 3 to both the total questions and his correct responses, that the ratio of correct answers to total questions remained the same. Is he correct? Justify your response.

3. Riley needs to make fruit punch for the family reunion. One batch of punch has the ingredients shown. If the punch bowl holds 27 cups, how many cups of orange juice will she need to keep the ratio in a full punch bowl the same? (Example 2)

Item	Cups
Cranberry Juice	4
Lemon Lime Soda	1
Orange Juice	2
Pineapple Juice	2

4. A small fruit basket contains the fruits shown. A large basket has the same ratio of fruits as the small basket. If the large basket has 42 total pieces of fruit, how many are pears? (Example 2)

Type of Fruit	Amount
Apple	6
Orange	5
Pear	3

5. Mrs. Santiago is buying doughnuts for her office. Each box contains 6 glazed, 4 cream filled, and 2 chocolate flavored doughnuts. If there were 20 total cream filled doughnuts, how many chocolate doughnuts did she buy? (Example 3)

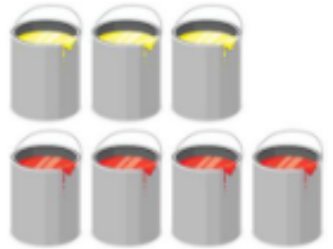
6. A small batch of trail mix contains 2 cups of raisins, 2 cups of peanuts, 1 cup of sunflower seeds, and 1 cup of chocolate coated candies. A large batch has the same ratio of ingredients as a small batch. If the large batch has 8 cups of peanuts, how many cups of sunflower seeds are in a large batch? (Example 3)

2. Represent a collection of equivalent ratios. (page : 15-18 ,EX 1- 4)

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?

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.



What should Aiko do to create the same shade of orange paint?

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?

The ingredients needed to make 24 biscuits are shown in the table.

If Portia wants to only make 18 biscuits, how many cups of flour does she need?

Homemade Biscuits
4 c flour
8 tsp baking powder
2 tbsp sugar
1 tsp salt
1 c shortening
2 large eggs
2 c milk

3. Show a ratio relationship between two quantities using different representations. (page : 45- Question 1-8)

1. A survey showed that 4 out of 5 students own a bicycle. Based on this result, how many of the 800 students in a school own a bicycle?

2. A survey of Mr. Thorne's class shows that 5 out of 8 students will buy lunch today. Based on this result, how many of the 720 students in the school will buy today?

3. The ratio of the number of baskets made by Tony to the number of baskets made by Colin is 2 to 3. Tony made 10 baskets. How many baskets did Colin make?

4. In the school choir, there is 1 boy for every 4 girls. There are a total of 11 boys. How many girls are in the choir?

5. Liberty Middle School has 600 students. In Anna's class, 3 out of 8 students walk to school. How many students at the school can be expected to walk to school?

6. Pine Hill Middle School has 300 students. In Zoey's class, 2 out of 5 students belong to a club. How many students at the school would you expect belong to a club?

7. In a survey, the ratio of students who prefer popcorn to potato chips is 3 to 4. If the number of students surveyed who prefer popcorn is 360, how many preferred potato chips?

8. **Open Response** In a neighborhood, the ratio of houses with swing sets to houses without swing sets is 3 to 5. If the number of houses with swing sets is 270, how many houses do not have swing sets?

4. Use ratio reasoning to convert between customary units of measurement. (page : 55- Question 1-10)

1. Mrs. Menary made $4\frac{1}{2}$ quarts of lemonade for a school party. How many fluid ounces of lemonade did she make?

2. A class walked 2.5 miles for a walk-a-thon. How many yards did the class walk?

3. The Martinez family has $\frac{3}{4}$ gallon of orange juice in the refrigerator. How many cups of orange juice are in the refrigerator?

5. A female hippopotamus can weigh 48,000 ounces. How many tons can a female hippopotamus weigh?

6. At soccer practice, Tracey's best kick traveled a distance of 1,200 inches. For how many yards did she kick the ball?

7. An elephant can drink up to 6,400 fluid ounces of water a day. How many gallons of water can an elephant drink per day?

8. A recipe for ice cream calls for 56 fluid ounces of milk. How many pints of milk are there in the recipe?

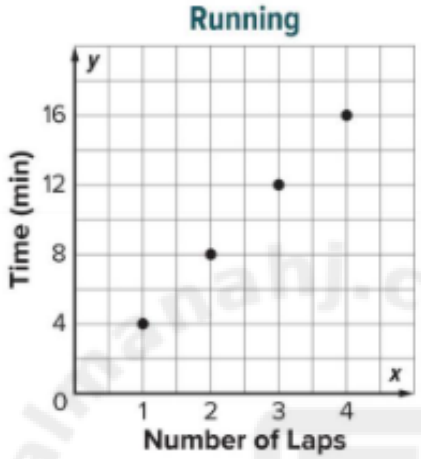
9. One quart of strawberries weighs about 2 pounds. About how many quarts of strawberries would weigh $\frac{1}{4}$ ton?

10. **Open Response** A mini fruit juice box contains 4 fluid ounces of juice. You need $2\frac{1}{2}$ quarts of fruit juice. How many mini fruit juice boxes will you need?

5. Graph a ratio relationship on the coordinate plane. (page : 28- Question 4-8)

4. **Multiselect** Lacy is running laps around the track. The time in minutes and the number of laps ran are shown in the graph. Which of the following is true about the ratio relationship shown in the graph?

- ☐ Every 4 minutes, Lacy ran 1 lap.
- ☐ Lacy ran 8 laps in 2 minutes.
- ☐ It took Lacy 1 minute to run 4 laps.
- ☐ In 16 minutes, Lacy completed 4 laps.
- ☐ Based on the relationship, it would take Lacy 20 minutes to complete 5 laps.



5. **Identify Structure** There are 4 quarters for every one dollar and 10 dimes for every dollar. Without graphing, would the ratio of quarters to dollars or dimes to dollars appear to have a steeper line? Explain your reasoning.

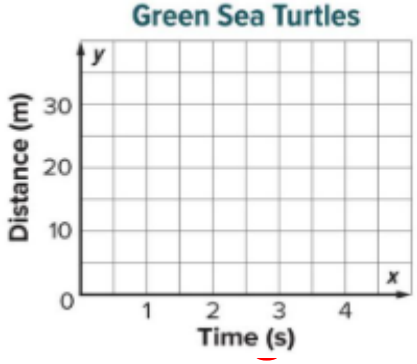
6. What are the advantages of graphing when solving problems that involve ratios?

7. **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.

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

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)				
Distance (m)				



6. Use ratio and rate reasoning to find a unit rate (page : 63- Question 1-8)

1. A hippopotamus can run 6 kilometers in 15 minutes. At this rate, how far can the hippopotamus run in 1 minute? (Example 1)

2. Imena earned $261 last week. If she worked 18 hours and earned the same amount each hour, how much was she paid per hour? (Example 1)

3. A cat's heart beats approximately 45 times in 15 seconds. At this rate how many times does the cat's heart beat per second? (Example 1)

4. Mr. Farley used 4 pounds of hamburger to make 10 hamburger patties of the same size. How many pounds of hamburger did he use per patty? (Example 1)

5. At the school festival, Heather can buy 25 game tickets for $10, or she can pay $0.50 per game ticket. Which option has the lesser price per ticket? (Example 2)

6. At a toy store, Colton can buy a package of 6 mini footballs for $7.50, or a package of 8 mini footballs for $9.60. Which option has the lesser price per mini football? (Example 2)

7. The table shows the options Zoe's mother has for buying tickets to an adventure day camp for Zoe and 5 of her friends. Which option has the lesser cost per student ticket? (Example 2)

Adventure Camp Tickets	
Option	Cost ($)
6-pack of Student Tickets	126.00
Individual Student Ticket	21.50

8. **Multiple Choice** Which of the following offers the least price per ounce of shampoo?

(A) $6 for 8 ounces of shampoo

(B) $4 for 5 ounces of shampoo

(C) $8 for 12 ounces of shampoo

(D) $12 for 16 ounces of shampoo

7. Solve real-world problems involving rates and unit rates by using bar diagrams, double number lines, and equivalent rates (page : 71- Question 1-6)

1. Mr. Anderson is ordering pizzas for a class pizza party. Pizza Place has a special where he can buy 3 large pizzas for $18.75. At Mario's Pizzeria, he can buy 4 large pizzas for $22. If he needs to buy 12 pizzas, how much will he save if he buys the pizzas from Mario's Pizzeria instead of Pizza Place? (Example 1)

2. Skylar and Rodrigo each recorded how far they traveled while skateboarding. Skylar traveled 65 feet in 5 seconds and Rodrigo traveled 108 feet in 8 seconds. How much farther did Rodrigo travel per second than Skylar? (Example 1)

5. A bakery makes 260 donuts in 4 hours. At this rate, how many donuts can they make in 6 hours? (Example 2)

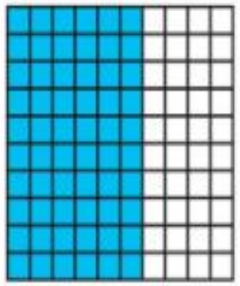
3. Melissa is buying party favors to make gift bags. Supplies LTD sells a 5-pack of favors for $11.25 and Parties and More sells a 3-pack of favors for $8.25. At these rates, how much will she save if she buys 15 favors from Supplies LTD than Parties and More? (Example 1)

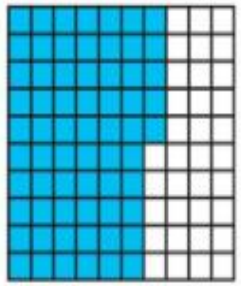
4. Tara can type 180 words in 4 minutes. At this rate, how many words can she type in 10 minutes? (Example 2)

6. **Open Response** While jumping rope, Juan jumped 24 times in 30 seconds. At this rate, how many times will he jump in 50 seconds?

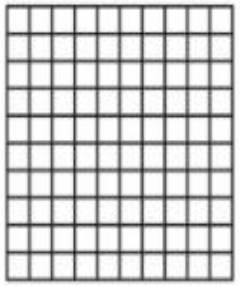
8. Model percents using 10 x 10 grids and bar diagrams (page : 83- Question 1-8)

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

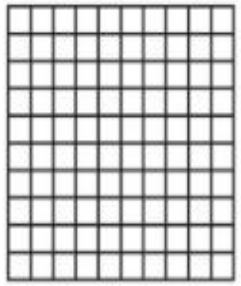
1.  ____

2.  ____

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

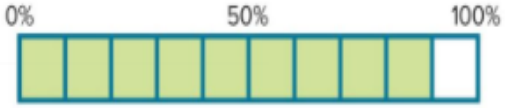


4. Of the students in the lunch line, 9% said they were buying strawberry milk. Shade the 10 × 10 grid to model 9%. (Example 2)

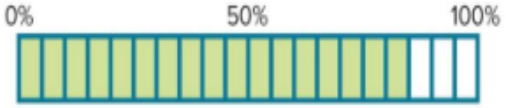


For Exercises 5 and 6, identify the percent represented by each bar diagram. (Example 3)

5. ____

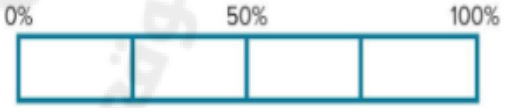


6. ____



Test Practice

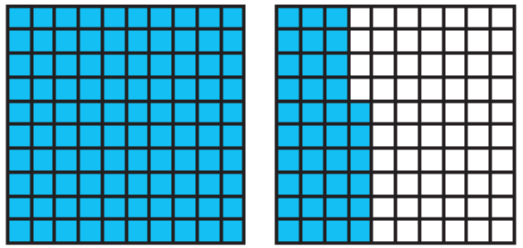
7. Shade the bar diagram to model 25%. (Example 4)



8. **Open Response** How can you use a bar diagram to model 45%?

9. Use 10 x 10 grids and bar diagrams to represent percents greater than 100% or less than 1% (page : 91- Question 1-4)

Identify the percent represented by the 10 × 10 grids

1. 

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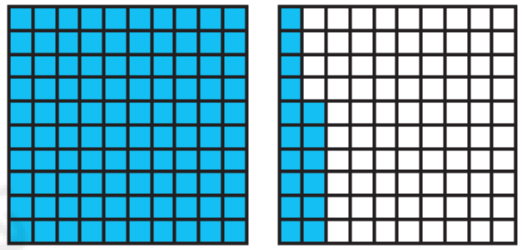
2. 

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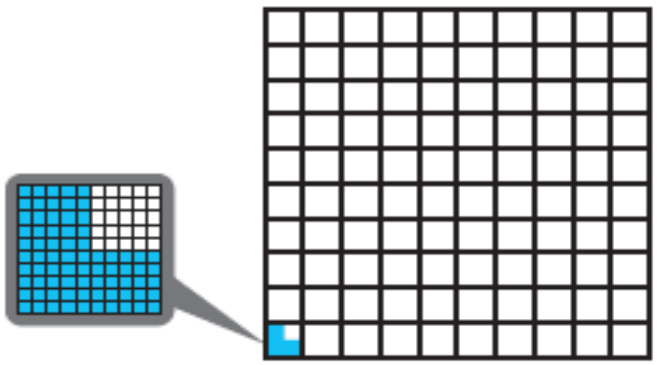
3. 

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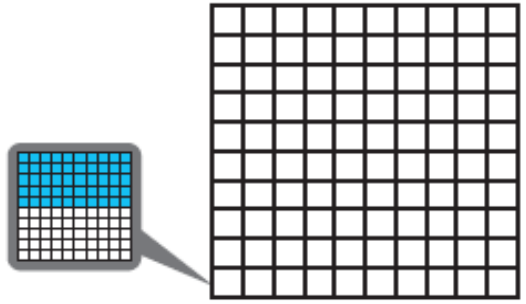
4. 

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10. fractions, decimals, and percents by using place-value reasoning and understanRelateding a perc as a ratio that compares a number to 100 (page : 101- Question 1-3)

Write each percent as a fraction in simplest form and as a decimal. (Example 1)

1. 45%

2. 72%

3. 80%

11. Relate fractions, decimals, and percents by using place-value reasoning and understanding a percent as a ratio as a number to 100 (page : 101- Question 4-6)

Write each fraction as a percent and as a decimal. (Examples 2 and 3)

4. $\frac{3}{20}$

5. $1\frac{3}{4}$

6. $\frac{5}{8}$

12. Find the percent of a number by reasoning about percent as a rate per 100 and by using bar diagrams, ratio tables, equivalent ratios (page : 105,111 - Question ex1, (1-5,9)

1. The graph shows the career interests of the students at Linda's school. Suppose there are 400 students at the school. How many of them want to be an athlete? (Example 1)

2. The graph shows the favorite activities of campers at a summer camp. Suppose there are 300 campers at the camp. How many campers favor fishing? (Example 1)

Use any method to find the percent of each number. (Examples 2–4)

3. 15% of 240 = _____

4. 65% of 180 = _____

5. 250% of 82 = _____

9. Open Response Kenzie is putting the family vacation videos onto a flash drive. The flash drive can hold 200 minutes of video. Kenzie has used 45% of the memory space already. How many minutes of the flash drive has she already used?

13. Estimate the percent of a number by using benchmark percents and rounding (page : 119 – Question 7-12)

7. Emilia and her three sisters went out to dinner. The total cost of their dinner was $38.75. They want to leave a tip that is 23% of the total bill. About how much of a tip should they leave?

8. Karl earned $188 last month doing chores after school. If 68% of the money he earned was from doing yard work, about how much did Karl earn doing yard work?

11. The table shows how the 515 students at West Middle School get to school. About how many of the students walk to school?

Method	Percent of Students
Bus	53%
Car	21%
Walk	26%

9. The concession stand at a football game served 288 customers. Of those customers, about 77% bought a hot dog. About how many customers bought a hot dog?

10. In a recent season, the Chicago Cubs won 64% of the 161 regular season games they played. About how many games did they win?

12. Open Response Carolyn's homeroom sold 207 magazine subscriptions. Of the magazine subscriptions sold, 28% were for fashion magazines. About how many fashion magazine subscriptions were sold?

14. Find the whole, given the part and the percent by using bar diagrams, ratio tables, double number lines, and equivalent ratios (page : 127 - ex1 (1-6)

Example 1 Find the Whole

Country music makes up 75% of Landon's music library.

If he has downloaded 90 country music songs, how many songs does Landon have in his music library?

1. Yolanda's club requires that 80% of the members be present for any vote. If at least 20 members must be present to have a vote, how many members does the club currently have?

2. Action movies make up 25% of Sara's DVD collection. If she has 16 action DVDs, how many DVDs does Sara have in her collection?

3. Marcus saved $10 because he bought a baseball glove that was on sale for 40% off. What was the original price of the baseball glove?

4. Of the students in the marching band, 55% plan to go to the school dance. If there are 110 students in the marching band that are going to the dance, how many students are in the marching band?

6. Mallorie has $12 in her wallet. If this is 20% of her monthly allowance, what is her monthly allowance?

15. Solve problems by using the standard algorithms for addition, subtraction, multiplication, and division to compute with multi-digit decimals (page : 153 - question 1- 4)

Find each sum. (Example 1)

1. $34.672 + 15.31 =$ _____

2. $152.875 + 35.4 =$ _____

Find each difference. (Examples 2 and 3)

3. $139.65 - 59.623 =$ _____

4. $352.37 - 231.975 =$ _____

16. Solve problems by using the standard algorithms for addition, subtraction, multiplication, and division to compute with multi-digit decimals (page : 153 - question 5- 6)

Find each product. (Example 4)

5. $0.025 \times 1.24 =$ _____

6. $17.15 \times 1.062 =$ _____

17. Use the standard algorithm to divide multi-digit numbers when solving problems (page : 135 - question 1- 9)

1. 52,080 ÷ 15 = _____

2. 38,480 ÷ 26 = _____

3. 648 ÷ 18 = _____

4. 3,409 ÷ 14 = _____

5. 8,890 ÷ 40 = _____

6. 3,120 ÷ 64 = _____

7. 6,750 ÷ 240 = _____

8. 4,415 ÷ 800 = _____

9. 5,777 ÷ 160 = _____

18. Apply prior knowledge about multiplication, division, and operations on multi-digit numbers to divide whole numbers by fractions (page : 165 - question 6- 11)

Divide. Write in simplest form. (Example 4)

6. $3 \div \frac{1}{4} =$ _____

7. $4 \div \frac{2}{5} =$ _____

8. $6 \div \frac{2}{3} =$ _____

9. Marie is making scarves. She has 7 yards of fabric and each scarf needs $\frac{5}{8}$ yard of fabric. Find $7 \div \frac{5}{8}$. Then interpret the quotient. (Example 5)

10. Roberto is at a tennis day camp. The coach has set aside 2 hours to play mini matches that last $\frac{3}{5}$ hour. Find $2 \div \frac{3}{5}$. Then interpret the quotient.

Test Practice

11. Equation Editor What is the value of $15 \div \frac{5}{9}$?

19. Apply prior knowledge about multiplication and division with whole numbers and the division of whole numbers by fractions to divide fractions by fractions (page : 175 - question 1- 7)

Divide. Write in simplest form. (Example 1)

1. $\frac{5}{6} \div \frac{5}{12} =$ _____

2. $\frac{1}{3} \div \frac{1}{9} =$ _____

3. $\frac{3}{7} \div \frac{1}{14} =$ _____

4. Romeo had $\frac{3}{4}$ pound of fudge left. He divided the remaining fudge into $\frac{5}{16}$-pound bags. Write and solve an equation that models the situation. Then interpret the quotient. (Example 2)

5. Chelsea has $\frac{7}{8}$ pound of butter to make icing. Each batch of icing needs $\frac{1}{4}$ pound of butter. Write and solve an equation that models the situation. Then interpret the quotient. (Example 2)

6. Write a story context for $\frac{5}{6} \div \frac{1}{6}$. Then find the quotient. (Example 3)

7. **Equation Editor** What is the value of the expression $\frac{2}{5} \div \frac{1}{6}$?

20. Apply prior knowledge about division and reciprocals to divide fractions by whole and mixed numbers. (page : 185 - question 1- 8)

1. The drama teacher is making bandanas for costumes. She is cutting $\frac{1}{2}$ yard of fabric into 6 bandanas of the same size. Write and solve an equation to find how much fabric there will be for each bandana. (Example 1)

2. A landscape designer has $\frac{4}{5}$ ton of mulch to divide equally among 8 customers. Write and solve an equation to find how much mulch each customer will receive. (Example 1)

Divide. Write in simplest form. (Examples 2 and 3)

3. $2\frac{4}{5} \div 4 =$ _____

4. $6\frac{2}{3} \div 8 =$ _____

5. $4\frac{2}{3} \div 6 =$ _____

6. $3\frac{3}{5} \div 1\frac{1}{2} =$ _____

7. $3\frac{3}{4} \div 1\frac{2}{3} =$ _____

8. $4\frac{1}{2} \div 2\frac{7}{10} =$ _____

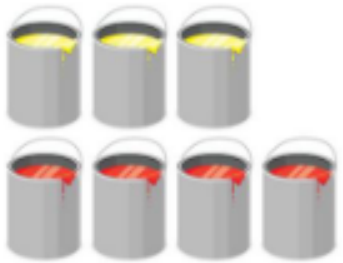
WRITING QUESTIONS

21. Represent a collection of equivalent ratios. (page : 15,16,17- Question EX1,EX2 ,EX 3)

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?

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.



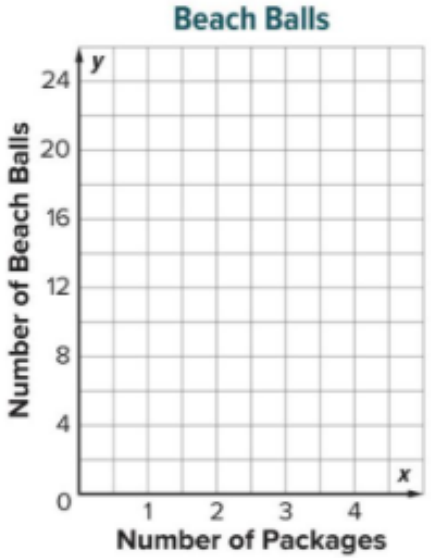
What should Aiko do to create the same shade of orange paint?

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.

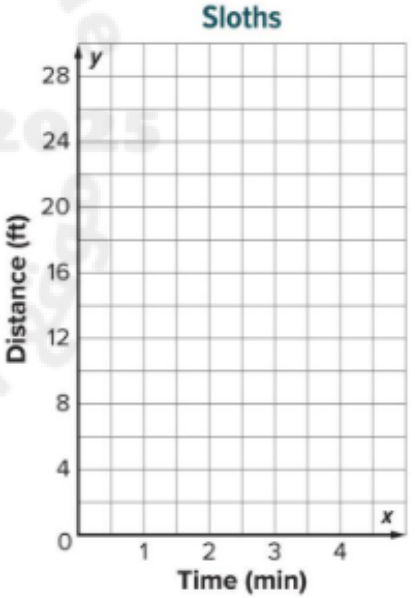
If Natasha only has 6 fluid ounces of fruit punch left, how much ice cream does she need to make another batch of punch?

22. Graph a ratio relationship on the coordinate plane . (page : 27,28 - Question 1-3,7-8)

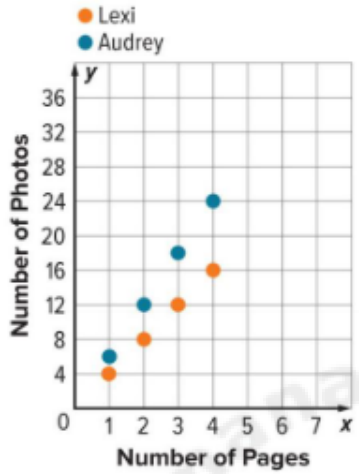
1. Lulah is buying beach balls for her beach themed party. Each package contains 6 beach balls. Generate the set of ordered pairs for the ratio relationship between the number of beach balls *y* and the number of packages *x* for a total of 1, 2, 3, and 4 packages. Then graph the relationship on the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



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)

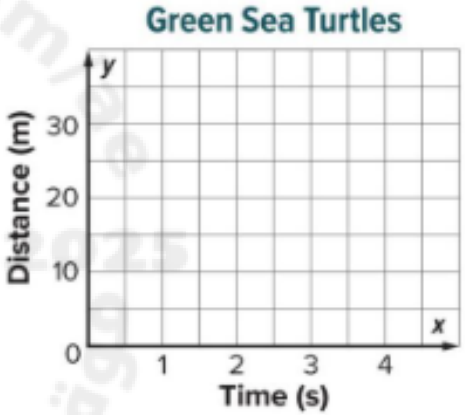


3. Two friends are making scrapbooks. The number of photos Lexi and Audrey place on each page of their scrapbooks is shown in the graph. Describe the ratio relationship for each person.



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)				
Distance (m)				

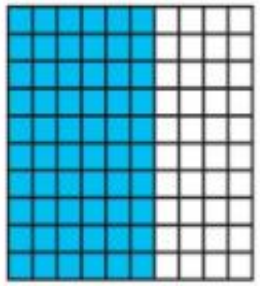


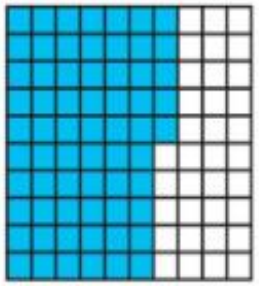
7. **Reason Abstractly** The table gives the number of beads needed to make bracelets of certain lengths. Suppose you graph the ordered pairs (bracelet length, number of beads) on the coordinate plane. Would the point (10.5, 42) make sense in this context? Explain.

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

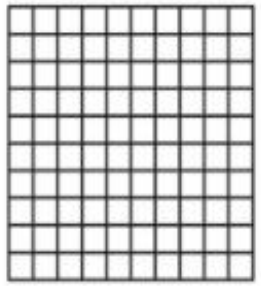
23. Model percents using 10 x 10 grids and bar diagrams. (page :83- Question 1-6)

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

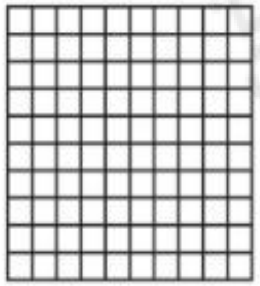
1.  ____

2.  ____

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

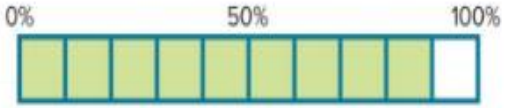


4. Of the students in the lunch line, 9% said they were buying strawberry milk. Shade the 10 × 10 grid to model 9%. (Example 2)

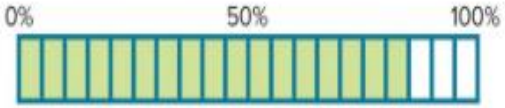


For Exercises 5 and 6, identify the percent represented by each bar diagram. (Example 3)

5. ____



6. ____



24. Find the whole, given the part and the percent by using bar diagrams, ratio tables, double number lines, and equivalent ratios . (page :127,128 - Question 8-9)

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?

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

25. Solve problems by using the standard algorithms for addition, subtraction, multiplication, and division to compute with multi-digit. (page :153 - Question 3,4,7 and 8)

Find each difference. (Examples 2 and 3)

3. 139.65 – 59.623 = _____

4. 352.37 – 231.975 = _____

Find each quotient. (Example 5)

7. 32.674 ÷ 0.016 = _____

8. 3.825 ÷ 0.25 = _____