

Math Practice Exam for Term 1 _ 2025/2026

Unit (1)	Understand Ratios
Sections	1.1, 1.2, 1.3, 1.4, 1.5, 1.6 and 1.7
Cycle	2
Grade/ Section	6 Advanced
Student Name	
Student ID No.	

Section	Number of Questions	Grade	Name of the corrector
1.1	5 FRQ	/30	
1.2	5 MCQ	/15	
1.3	12 MCQ	/36	
1.4	5 MCQ	/15	
1.5	8 MCQ	/24	
1.6	8 MCQ	/24	
1.7	8 + 2 FRQ	/30	
Total	/53	/174	

G6-Adv	Mathematics grade 6 – Reveal mock test	2025-2026
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Lesson 1.2

Question 1

Aisha's snow cone machine makes 3 snow cones from 0.5 pound of ice. How many snow cones can be made with 5 pounds of ice?

A	15	C	30
B	25	D	35

Question 2

Noura is having a pizza party. Two large pizzas serve 9 people. Which table shows correctly how many large pizzas should she order to serve 36 guests?

A		People	9	36		C		People	2	8	
		Pizza	2	8				Pizza	9	36	
B		People	2	9		D		People	36	8	
		Pizza	8	36				Pizza	9	2	

Question 3

The world record for the most number of speed skips in 60 seconds is 332 skips. If the skipping speed stays constant, how many skips can Layan make in 15 seconds?

A	60 skips	C	83 skips
B	78 skips	D	90 skips

Question 4

A recipe for homemade clay calls for 6 cups of water for every 12 cups of flour. How many cups of water are needed when Sara uses 4 cups of flour?

A	1 cups of water	C	3 cups of water
B	2 cups of water	D	4 cups of water

Question 5

Adam decorated 16 cupcakes in 28 minutes. If he continues at the same pace, how many minutes will it take him to decorate 56 cupcakes?

A	84 min	C	100 min
B	98 min	D	105 min

Question 6

A comic book store is having a sale. You can buy 20 comic books for \$35. Which table represents the cost of 8 comic books during the sale?

A		comic	8	20		C		comic	8	16
		Cost (\$)	16	35				Cost (\$)	20	35
B		comic	8	15		D		comic	8	20
		Cost (\$)	20	35				Cost (\$)	14	35

Question 7

A store sells packages with 10 pencils and 4 pens for back-to-school season. The manager wants to make a larger package with the same ratio. If the large package has 10 pens, how many pencils should it have?

A		20 pencils		C		30 Pencils
B		25 pencils		D		40 Pencils

Question 8

Fill in the missing value.

Students	Chairs
5	20
10	?
15	60

A		25		C		35
B		30		D		40

Question 9

The table shows the items in a family chicken taster meal at a restaurant. The restaurant wants to create a larger meal to accommodate larger groups of people. They also want to limit the number of chicken tenders to 15. If the ratio remains the same, how many biscuits are in the larger meal.

Family Taster Meal

4 chicken sliders

6 chicken tenders

8 biscuits

1 pint of cole slaw

A		18		C		21
B		20		D		24

Question 10

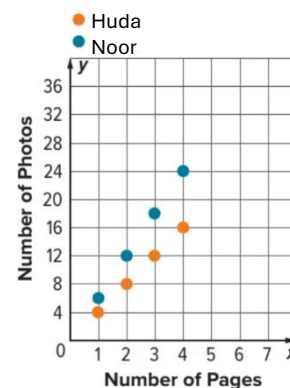
Three out of 5 students at Maria's school participate in a school club or sport. There are 175 students at the school. Which of the following shows how equivalent fractions can be used to find the total number of students that participate in a school club or sport?

$\frac{3}{5} = \frac{s}{175}$	C	$\frac{3}{175} = \frac{s}{5}$
$\frac{3}{5} = \frac{175}{s}$	D	$\frac{3}{175} = \frac{5}{s}$

Grade 6 ADV_ Exam Practice_Term 1_2025/2026
Lesson 1.3

Question 1

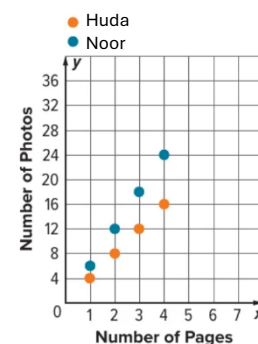
Two friends are making scrapbooks. The number of photos Huda and Noor place on each page of their scrapbooks is shown in the graph. Which of the following is correct about the relationships shown.



A	Huda placed more photos in each page	C	Noora placed more photos per page
B	They placed the same number of photos on each page.	D	We cannot decide who placed more photos per page.

Question 2

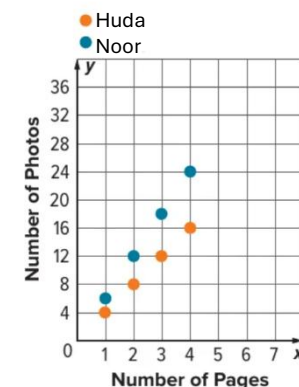
Two friends are making scrapbooks. The number of photos Huda and Noor place on each page of their scrapbooks is shown in the graph. Which of the following is correct about the relationships shown.



A	Huda placed 16 photos each 4 pages	C	Noor placed 24 photos each 4 pages
B	Huda placed 4 photos each 16 pages	D	Noor placed 4 photos each 24 pages

Question 3

Two friends are making scrapbooks. The number of photos Huda and Noor place on each page of their scrapbooks is shown in the graph. Which of the following is correct about the relationships shown.



A	Based on Noora's relationship, she would place 48 photos on 8 pages	C	Based on the relationships shown, they will place the same number of photos on each page.
B	Based on Huda's relationship, she would place 32 photos on 8 pages	D	Based on the relationships shown, Noora is placing more photos than Huda per page.

Question 4

Huda saves 13 each week. Make a table that shows the total amount saved 1, 2, 3, and 4 weeks.

A		Huda		C		Huda		
		weeks (x)	Total AED (y)			weeks (x)	Total AED (y)	
		1	13			1	13	
		2	26			2	16	
		3	39			3	19	
		4	52			4	22	

B		Huda		D		Huda		
		weeks (x)	Total AED (y)			weeks (x)	Total AED (y)	
		1	13			1	13	
		2	23			2	55	
		3	33			3	76	
		4	43			4	199	

Question 5

Luna is buying beach balls for her beach themes party. Each package contains 6 beach balls. Which graph shows the correct relationship between the number of beach balls y and the number of packages x for total of 1, 2, 3 and 4 packages.

A		Beach Balls <table border="1"><thead><tr><th>Number of Packages (x)</th><th>Number of Beach Balls (y)</th></tr></thead><tbody><tr><td>1</td><td>6</td></tr><tr><td>2</td><td>12</td></tr><tr><td>3</td><td>18</td></tr><tr><td>4</td><td>24</td></tr></tbody></table>	Number of Packages (x)	Number of Beach Balls (y)	1	6	2	12	3	18	4	24	C		Beach Balls <table border="1"><thead><tr><th>Number of Packages (x)</th><th>Number of Beach Balls (y)</th></tr></thead><tbody><tr><td>1</td><td>4</td></tr><tr><td>2</td><td>8</td></tr><tr><td>3</td><td>12</td></tr><tr><td>4</td><td>16</td></tr></tbody></table>	Number of Packages (x)	Number of Beach Balls (y)	1	4	2	8	3	12	4	16
	Number of Packages (x)	Number of Beach Balls (y)																							
1	6																								
2	12																								
3	18																								
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4	2																								
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1	5																								
2	11																								
3	15																								
4	19																								

Question 6

A sloth travels about 7 feet every minute. Which Table shows the correct relationship between the distance traveled y and the number of minutes x for a total of 1, 2, 3 and 4 minutes.

A	Distance (x)	1	2	3	4
	Time (y)	7	14	21	28
B	Time(x)	1	2	3	4
	Distance (y)	7	14	28	56
C	Time(x)	1	2	3	4
	Distance (y)	7	14	21	28
D	Distance(x)	1	2	3	4
	Time (y)	7	14	28	56

Question 7

A sloth travels about 7 feet every minute. Which graph shows the correct relationship between the distance traveled y and the number of minutes x for a total of 1, 2, 3 and 4 minutes.

A		C	
B		D	

Question 8

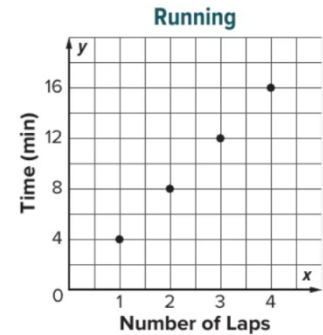
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A		<table><tr><td>balls(x)</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>Packages(y)</td><td>6</td><td>12</td><td>24</td><td>48</td></tr></table>	balls(x)	1	2	3	4	Packages(y)	6	12	24	48	C		<table><tr><td>Packages(y)</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>Balls(x)</td><td>6</td><td>12</td><td>24</td><td>48</td></tr></table>	Packages(y)	1	2	3	4	Balls(x)	6	12	24	48
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Balls(x)	1	2	3	4																					
Packages(y)	6	12	18	24																					

Another question (1.3)

Question 9

Layla 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?



- | | | | |
|---|------------------------------|---|--|
| A | Every 5 min, Layla ran 1 lap | C | Based on the relationship, it would take Layla 20 min to complete 5 laps |
| B | Layla ran 8 laps in 2 min | D | In 12 min, Layla completed 4 laps |

Question 10

There are 4 quarters for every one dollar and 10 dimes for every dollar. Without graphing, which ratio would have a steeper line on a graph?

- | | | | |
|---|------------------------|---|-----------------------------------|
| A | Quarters to dollars | C | Dimes to dollars |
| B | Both would be the same | D | Neither — they cannot be compared |

Question 11

The table gives the number of beads needed to make bracelets of certain lengths:
If we continue with the same relationship, what will be the ordered pair for a bracelet length of **10.5 inches**?

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

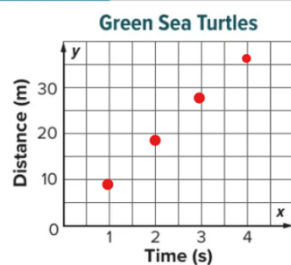
- | | | | |
|---|------------|---|------------|
| A | (10.5, 41) | C | (10.5, 43) |
| B | (10.5, 42) | D | (10.5, 44) |

Question 12

For every second, the average green sea turtle can swim 9 meters. Which representation show how far a green sea turtle can swim in 1, 2, 3 and 4 seconds.

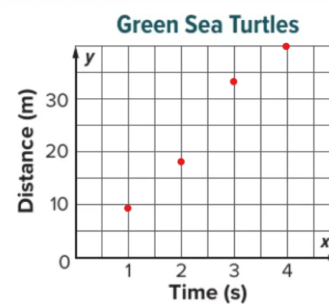
A

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



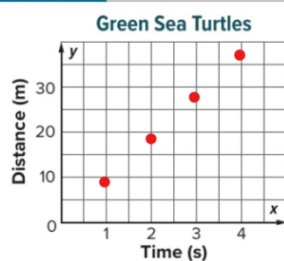
C

Time (s)	1	2	3	4
Distance (m)	9	18	32	64



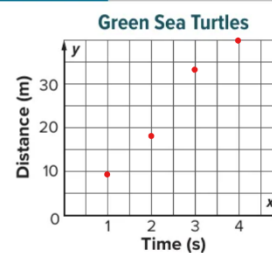
B

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



D

Time (s)	9	18	32	64
Distance (m)	1	2	3	4



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Lesson 1.4

Question 1

Rashid is considering different bird seeds to fill his bird feeder. Measured in ounces. Recipe A has sunflower seed to peanut ratio of 2 to 3, Recipe B has a ratio of 3 to 4 and recipe C has a ratio of 5 to 6. Complete the tables and decide which recipe has the greatest ratio of ounces of sunflower seeds to ounces of peanuts?

Recipe A

Sunflower Seeds (oz)				
Peanuts (oz)				

Recipe B

Sunflower Seeds (oz)				
Peanuts (oz)				

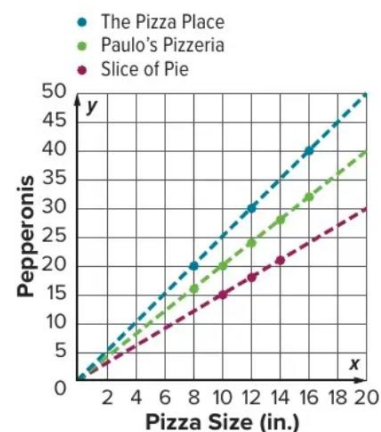
Recipe C

Sunflower Seeds (oz)				
Peanuts (oz)				

A		Recipe A	C		Recipe C
B		Recipe B	D		All recipes have the same ratio

Question 2

Which Pizzeria advertises the greatest ratio of pepperonis to pizza size ?



A		The Pizza Place	C		Slice of Pie
B		Paulo's Pizzeria	D		They all have the same ratio

Another Question (1.4)

Question 3

Which Person has the greatest ratio of minutes spent on reading to minutes spent on math?

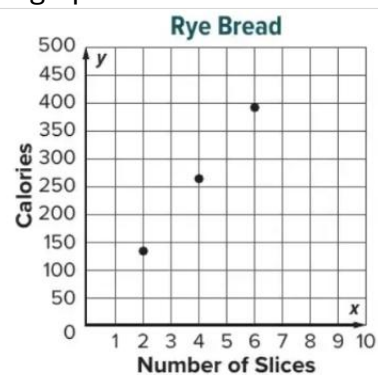
	Rawan					Sama					Shahd			
Reading (min)	15	30	45	60	Reading (min)	12	24	36	48	Reading (min)	7	14	21	28
Math (min)	20	40	60	80	Math (min)	15	30	45	60	Math (min)	10	20	30	40

A		Rawan	C		Shahd
B		Sama	D		They all have the same ratio

Question 4

Ms. Asmaa is comparing the calories in different types of bread. Wheat bread has 150 calories for every 2 slices. The Calories in two other types of bread are shown in the table and graph. Which bread has the greatest ratio?

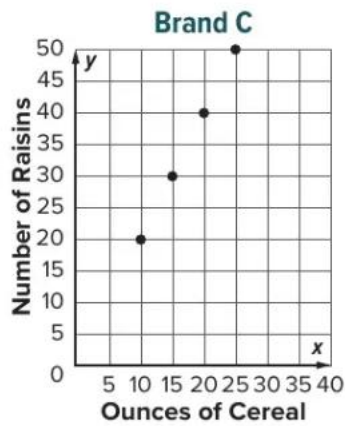
White Bread	
Slices	Calories
2	160
4	320
6	480



A		Wheat bread	C		Rye bread
B		White bread	D		They All have the same ratio

Question 5

Cereal Brand A advertises that they have 60 raisins in their 24-ounce box of cereal. The advertised ratio of raisins to ounces for two other cereal brands is shown below. Which brand advertises the greatest ratio of raisins to ounces of cereal?



Brand B

Ounces of Cereal	6	12	20	24
Raisins	18	36	60	72

A	Brand A	C	Brand C
B	Brand B	D	They all have the same ratio

Question 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?

A	600	C	500
B	640	D	550

Question 2

A survey of Mr. Ali 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?

A	400	C	350
B	450	D	500

Question 3

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

A	15	C	4
B	11	D	6

Question 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?

A	45	C	55
B	35	D	44

Question 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?

A	200	C	274
B	225	D	230

Question 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?

A	60	C	90
B	120	D	100

Question 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?

A	200	C	290
B	270	D	480

Question 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?

A	350	C	450
B	300	D	162

Lesson 1.6

Question 1

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

A	120 oz	C	180 oz
B	144 oz	D	216 oz

Question 2

Omar's class walked 2.5 miles for a walk-a-thon. How many yards did the class walk?

A	3,520 yd	C	4,400 yd
B	4,200 yd	D	4,600 yd

Question 3

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

A	6 cups	C	10 cups
B	8 cups	D	12 cups

Question 4

A grand piano can weigh $\frac{1}{2}$ ton. How many ounces can a grand piano weigh?

A	8,000 oz	C	16,000 oz
B	10,000 oz	D	32,000 oz

Another Question (1.6)

Question 5					
A female hippopotamus can weigh 48,000 ounces. How many tons can a female hippopotamus weigh?					
A		1 ton	C		1.5 tons
B		1.25 tons	D		1.75 tons
Question 6					
At soccer practice, Layla's best kick traveled a distance of 1,200 inches. For how many yards did she kick the ball?					
A		20 yd	C		35 yd
B		30 yd	D		40 yd
Question 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?					
A		40 gal	C		60 gal
B		50 gal	D		70 gal
Question 8					
A recipe for ice cream calls for 56 fluid ounces of milk. How many pints of milk are there in the recipe?					
A		4 pt	C		6 pt
B		5 pt	D		7 pt

Lesson 1.7

Question 1					
The table shows the options that Rania's mother has for buying tickets to an adventure day camp for Rania and 5 of her friends. Which option has the lesser cost per student ticket?					
A		The 6-pack of student tickets	C		Both cost the same
B		The individual student ticket	D		Not enough information
Question 2					
Which of the following offers the least price per ounce of shampoo?					
A		\$6 for 8 ounces of shampoo	C		\$8 for 12 ounces of shampoo
B		\$4 for 5 ounces of shampoo	D		\$12 for 16 ounces of shampoo
Question 3					
Hassan's hippopotamus can run 6 kilometers in 15 minutes. At this rate, how far can the hippopotamus run in 1 minute?					
A		0.2 km	C		0.4 km
B		0.3 km	D		0.5 km
Question 4					
Imena earned \$261 last week. If she worked 18 hours and earned the same amount each hour, how much was she paid per hour?					
A		\$12	C		\$14
B		\$13	D		\$15
Question 5					
Mariam's cat's heart beats approximately 45 times in 15 seconds. At this rate, how many times does the cat's heart beat per second?					
A		2	C		4
B		3	D		5
Question 6					

Mr. Farid used 4 pounds of hamburger to make 10 hamburger patties of the same size. How many pounds of hamburger did he use per patty?

A 0.25 lb

C 0.4 lb

B 0.3 lb

D 0.5 lb

Question 7

At the school festival, Huda can buy 25 game tickets for \$10, or she can pay \$0.50 per game ticket. Which option has the lesser price per ticket?

A The 25-ticket pack

C The \$0.50 per ticket option

B Both cost the same

D Neither option is cheaper

Question 8

At a toy store, Kareem 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?

A The 6-pack

C Both cost the same

B The 8-pack

D Not enough information

Lesson 1.1**Question****1**

Rawan is making fruit punch for the family reunion. One batch of punch has the ingredients shown.

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

- a) How many total cups are in one batch?

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- b) If she has a 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?

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- c) If she only has 6 cups of cranberry juice, can she make a full punch bowl? Show your work.

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A small fruit basket contains the fruits shown. A large basket has the same ratio of fruits as the small basket. A large basket has the same ratio and contains 42 pieces of fruit.

Type of Fruit	Amount
Apple	6
Orange	5
Pear	3

a) How many pieces of fruit are in the small basket?

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b) How many apples are in the large basket?

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c) How many pears are in the large basket?

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Question

3

Mrs. Samira bought doughnuts for her office. Each box has 6 glazed, 4 cream-filled, and 2 chocolate doughnuts. She bought enough boxes to have 20 cream-filled doughnuts.

a) How many total doughnuts did she buy?

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b) How many glazed doughnuts did she buy?

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A small batch of trail mix has 2 cups of raisins, 2 cups of peanuts, 1 cup of sunflower seeds, and 1 cup of chocolate. A large batch keeps the same ratio. If the large batch has 8 cups of peanuts:

a) How many cups of raisins are in the large batch?

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b) How many total cups are in the large batch?

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c) How many cups of chocolate are in the large batch?

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Question

5

Coach Ahmad has 48 players and wants to divide them into two groups in a ratio of 1:3.

a) How many total players are in the two groups?

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b) How many players are in the smaller group?

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c) How many players are in the larger group?

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Lesson 1.7

Question

1

Ahmed found two stores that sell filled party favor bags.
The table shows his options.

Store	Number of Bags	Cost (\$)
Party R Us	8	12
Celebrations	12	21

- a) What is the cost per bag at Party R Us?

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- b) What is the cost per bag at Party R Us?

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- c) Which store has the better price per bag?

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- d) How much money does Ahmed save if he buys 24 bags from the cheaper store?

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Question

2

The Hassan family's train traveled 552 miles in 6 hours. The Omar family's train traveled 744 miles in 8 hours.

a) What is the speed of Hassan family's train in miles per hour?

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b) What is the speed of Omar family's train in miles per hour?

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c) Which train was faster? By how much is faster?

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Math Practice Exam for Term 1 _ 2025/2026

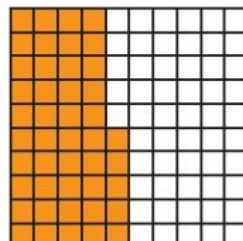
Unit (2)	Fraction, Decimals and Percents
Sections	2.1, 2.2, 2.3, 2.4, 2.5 & 2.6
Cycle	2
Grade/ Section	6 Advanced
Student Name	
Student ID No.	

Section	Number of Questions	Grade	Name of the corrector
2.1	4	/12	
2.2	6	/18	
2.3	10	/30	
2.4	4	/40	
2.5	5	/15	
2.6	3	/30	
Total	32	/145	

G5-Adv	Mathematics grade 5 – Reveal mock test	2025-2026
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Lesson 2.1**Question 1**

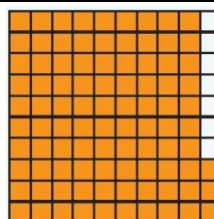
The 10 x 10 grid represents



A	45	C	0.45%
B	45%	D	4.5%

Question 2

The 10 x 10 grid represents



A	9.3%	C	93%
B	93	D	0.93%

Question 3

The following bar diagram represents....



A	20%	C	30%
B	40%	D	35%

Question 4

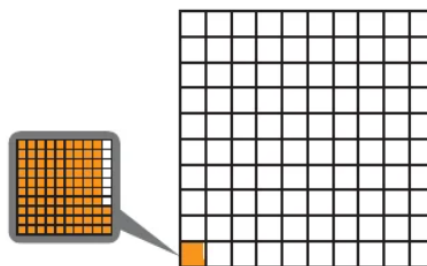
Which bar diagram represents 55%

A		C	
B		D	

Lesson 2.2

Question 1

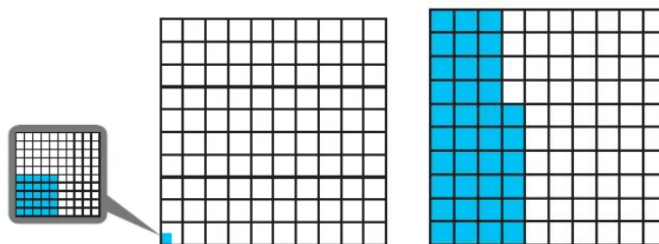
What percent is represented by the 10 x 10 grid ?



A	0.93	C	0.93%
B	93	D	93%

Question 2

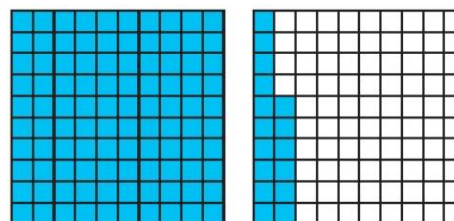
What percent is represented by the 10 x 10 grid ?



A	0.25%	C	61%
B	36%	D	36.25%

Question 3

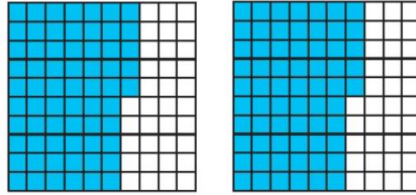
What percent is represented by the 10 x 10 grid?



A	116%	C	100%
B	16%	D	1.16%

Question 4

What percent is represented by the 10 x 10 grid?



A 65%

C 65/100

B 130

D 130/100

Question 5

The size of a large milkshake is 1.4 times the size of a medium milkshake.
Write a percent that compares the size of the large milkshake to the size of the small milkshake.

A 155%

C 164%

B 160%

D 153%

Question 6

The Freedom Tower is 1,776 feet tall. Mr. Feeman's students are building a replica of the tower for a class project that will stand 4.44 feet tall. Write a percent that compares the height of the replica to the height of the actual tower.

A 0.25%

C 0.30%

B 0.40%

D 0.35%

Lesson 2.3**Question 1**

Which of the following is equivalent to 85%?

A	8.5	C	85
B	17/20	D	0.85/100

Question 2

45% as a fraction in simplest form.

A	45/100	C	45/10
B	9/10	D	9/20

Question 3

72% as a fraction in simplest form.

A	18/25	C	72/100
B	36/50	D	9/25

Question 4

80% as a decimal.

A	0.8	C	8.0
B	0.08	D	8

Question 5

3/20 as a percent.

A	15%	C	30%
B	25%	D	12%

Question 6

$\frac{3}{4}$ as a percent.

A		175%	C		75%
B		134%	D		1750%

Question 7

$\frac{5}{8}$ as a decimal

A		0.625	C		0.85
B		0.58	D		0.5

Question 8

0.89 as a percent

A		89%	C		8.9%
B		0.89%	D		890%

Question 9

0.82 as a fraction

A		$\frac{41}{50}$	C		$\frac{82}{1}$
B		$\frac{82}{10}$	D		$\frac{82}{1000}$

Question 10

In a class of 25 students, 10 have brown eyes. Write the percent, fraction, and decimal.

A		40%, $\frac{2}{5}$, 0.4	C		50%, $\frac{1}{2}$, 0.5
B		25%, $\frac{1}{4}$, 0.25	D		20%, $\frac{1}{5}$, 0.2

Lesson 2.5**Question 1**

Which of the following are reasonable estimates for 31% of 72?

A	30	C	18
B	21	D	35

Question 2

Which of the following are reasonable estimates for 24% of 102?

A	25	C	17
B	30	D	19

Question 3

Yousef wants to buy a pair of sneakers. The sneakers cost \$81 before tax. The sales tax is 7.88%. About how much sales tax will Yousef pay for the pair of sneakers?

A	16	C	8
B	23	D	11

Question 4

The table shows the foreign-language enrollment percentages for Al Salamah School .There are 485 students taking a foreign language. About how many students are enrolled in Spanish?

Language	Percent of Students
French	33%
Latin	10%
Spanish	48%
German	9%

A	250	C	350
B	200	D	300

Question 5

The table shows the grade-level enrollment percentages for Al Salamah School. There are 805 students enrolled. About how many students are in eighth grade?

Grade Level	Percent of Students
Sixth grade	35%
Seventh grade	37%
Eighth grade	28%

A		400	C		240
B		300	D		350

Lesson 2.4

Question

1

Students were asked which night they planned on going to the school festival, the results of the survey are shown in the table.

Night	Students
Friday	550
Saturday	480

- a) Suppose 18% of the students did not go on Friday, how many students went on Friday?

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- b) Suppose 15% of the students did not go on Saturday, how many students went on Saturday?

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- c) How many more students went on Friday than on Saturday?

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Question**2**

Students were surveyed about which school athletic event they were planning to attend this week.

Event	Students
Football Game	120
Gymnastics Meet	95
Volleyball Game	80

- a) Suppose 25% of the students who said they were going to the football game did not attend, how many students went to the football game?

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- b) Suppose 20% of the students who said they were going to the volleyball game did not attend, how many students went to the volleyball?

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- c) How many more students went to the football game than volleyball game?

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Question**3**

Omar is going to buy a scooter that costs 95\$. The sales tax rate is 8.5%. What is the total cost of the scooter including tax to the nearest cent?

a) How much is the sales tax on the scooter?

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b) What is the total cost of the scooter including tax to the nearest tenth?

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Question**4**

a) What is 18% of 30?

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b) What is 30% of 18 ?

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c) Are your answers from Part a and Part b the same? Do you think this will always happen with any two numbers? Explain why or why not using what you know about math.

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Lesson 2.6**Question****1**

Action movies make up 25% of Laila's DVD collection. If she owns 16 action DVDs

a) How many DVDs does she have in total?

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b) How many of her DVDs are **not** action movies?

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c) If she buys 4 more action DVDs, what percent of her collection would now be action movies?

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Question**2**

Malik used 24% of the memory card on his digital camera while taking pictures at a family reunion.

- a) If Malik took 96 pictures, how many pictures can the whole memory card hold?

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- b) How many pictures can Malik still take if the memory card was empty before the reunion?

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- c) If Malik takes 50 more pictures, what percent of the memory card will be used?

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Question**3**

The table shows the number of minutes Tariq has for lunch and study hall. These two periods are 18% of the total time he spends at school.

Night	Number of minutes
Lunch	45
Study Hall	45

a) How many minutes does he spend at school?

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b) How many minutes does Tariq spend at school outside lunch and study hall?

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a) If Tariq's lunch time increases by 10 minutes, what percent of his school time would lunch and study hall be then?

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Math Practice Exam for Term 1 _ 2025/2026

Unit (3)	Compute with Multi-Digit Numbers and Fractions
Sections	3.1, 3.2, 3.3, 3.4 & 3.5
Cycle	2
Grade/ Section	6 Advanced
Student Name	
Student ID No.	

Section	Number of Questions	Grade	Name of the corrector
3.1	6 MCQ	/18	
3.2	8 MCQ	/24	
3.3	7 MCQ	/21	
3.4	5 MCQ	/15	
3.5	5 FRQ	/30	
Total	31	/108	

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Lesson 3.1**Question 1**

What is the Value of the expression $45,840 \div 15$?

A	3,057	C	3,066
B	3,056	D	3,067

Question 2

$4,907 \div 14$

A	350.8	C	350.6
B	350.7	D	350.5

Question 3

The table shows the number of passengers flying from one destination to another. The airplane can hold 250 passengers per flight. How many flights does it take to transport every passenger from Atlanta to New York?

Denver to Los Angeles	23,643 passengers
Atlanta to New York	36,750 passengers

A	147	C	143
B	145	D	149

Question 4

$7,435 \div 80$

A	92.9465	C	92.9375
B	92.8475	D	92.9465

Question 5

Find the quotient $43,180 \div 125$

A	345.44	C	354.55
B	354.44	D	345.55

Question 6

The table shows the number of passengers flying from one destination to another. The airplane can hold 250 passengers per flight. How many flights does it take to transport every passenger from Denver to Los Angeles?

Denver to Los Angeles	23,643 passengers
Atlanta to New York	36,750 passengers

A		95	C		96
B		94	D		93

Lesson 3.2

Question 1

The table shows the total pounds of fertilizer sold by two companies over a one-month period. How many more pounds of fertilizer did Company 2 sell than Company 1?

Company 1	486.5 pounds
Company 2	621.25 pounds

A 134.67

C 133.57

B 133.67

D 134.75

Question 2

The table shows the number of gallons of juice made using apples and oranges collected from a grove. How many total gallons of juice were produced from the grove?

Fruit	Juice Produced (gallons)
Apples	276.44
Oranges	342.89

A 617.66

C 618.77

B 619.33

D 616.88

Question 3

Find the Value of the expression 165.5×0.014 .

A 2.371

C 2.317

B 3.217

D 3.271

Question 4

Find the Value of the expression 22.12×1.255 .

A 27.6706

C 27.6707

B 27.7706

D 27.7606

Question 5

Which of the following Products is equivalent to 201.966

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A		164.2×1.23	C		164.2×12.3
B		16.42×1.23	D		$1.64. \times 1.23$
Question 6					
Find the Value of the expression $12.85 \div 0.01$					
A		2,185	C		1,285
B		1,258	D		2,158
Question 7					
$5.215 \div 0.25$					
A		20.86	C		20.87
B		20.67	D		20.68
Question 8					
Find $30.489 \div 0.006$					
A		5,081.6	C		5,081.5
B		5,082.5	D		5,082.6

Lesson 3.3

Question 1					
Which of the following is the reciprocal of $\frac{1}{4}$					
A		4	C		$\frac{4}{4}$
B		$\frac{1}{4}$	D		1
Question 2					
Which of the following is the reciprocal of 14					
A		14	C		$\frac{1}{14}$
B		$\frac{14}{14}$	D		1
Question 3					
What number Multiplied by $\frac{3}{2}$ has a product of 1					
A		$\frac{2}{3}$	C		$\frac{3}{2}$
B		$\frac{1}{3}$	D		$\frac{1}{2}$
Question 4					
The Product of a number by its reciprocal is					
A		0	C		1
B		10	D		The number
Question 5					
Find $10 \div \frac{5}{9}$ in simplest form					
A		18	C		9
B		$\frac{90}{5}$	D		$\frac{5}{90}$

Question 6

Find $6 \div \frac{3}{4}$ in simplest form

A	$\frac{18}{4}$	C	$\frac{3}{24}$
B	$\frac{24}{3}$	D	8

Question 7

Find $12 \div \frac{1}{3}$ in simplest form

A	$\frac{36}{1}$	C	$\frac{12}{3}$
B	36	D	$\frac{1}{36}$

Lesson 3.4

Question 1					
Find $\frac{3}{8} \div \frac{3}{32}$ in simplest form.					
A		5	C		4
B		3	D		2
Question 2					
Find $\frac{4}{15} \div \frac{2}{15}$ in simplest form.					
A		2	C		5
B		3	D		7
Question 3					
Ali has $\frac{5}{6}$ pound of flour left. He divides the remaining flour into $\frac{1}{3}$ -pound containers. How many containers flour can he make?					
A		$2\frac{1}{2}$	C		$1\frac{2}{2}$
B		$2\frac{1}{4}$	D		$2\frac{2}{1}$
Question 4					
Maya has $\frac{9}{10}$ pound of pecans. She divides the pecans into $\frac{1}{5}$ -pound bags. How many whole bags of pecans can Maya make?					
A		14	C		15
B		13	D		16
Question 5					
Sara has $\frac{11}{12}$ pound of butter to bake bread. Each loaf of bread needs $\frac{1}{6}$ pound of butter. How many whole loaves of bread can she make?					
A		6	C		5
B		3	D		4

Lesson 3.5**Question****1**

Clothing Items	Fabric Needed (yd)
Shirt	$1\frac{3}{4}$
Tablecloth	$1\frac{1}{4}$

Fatima has $3\frac{7}{8}$ yards of fabric. The table shows the amount of fabric she needs for different items.

- a) How many shirts can she make?

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- b) If Fatima wants to divide her fabric equally between the two items, how much fabric will each item have?

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Question

2

Experiment	Paper Needed (yd^2)
A	$1\frac{2}{3}$
B	$1\frac{2}{5}$

Maryam helps her chemistry teacher prepare materials for an experiment. Her teacher has $5\frac{5}{6}$ quarts of hydrogen peroxide.

a) How many times can they do Experiment A?

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b) How many times can they do Experiment B?

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c) How many more times can they do Experiment A than B?

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Students	Poster Length (ft)	Weight (ft)
Ahmed	$1\frac{1}{2}$	$1\frac{1}{2}$
Hamad	$3\frac{3}{4}$	$3\frac{3}{4}$

Ahmed and Hamad are each painting a poster for school. Their posters have dimensions shown in the table.

a) What is the Area of Ahmed's Poster?

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b) What is the Area of Hamad's Poster?

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c) How many times greater is the area of Hamdan's poster than Ahmed's?

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Question**4**

Mrs.Huda is putting different colored sand into cups for her 4 daughters to make sand art bottles. The total amount of each color she has is shown in the table. Suppose each color is divided equally among the daughters.

Sand Color	Weight (lb)
Blue	$\frac{15}{16}$
Pink	$\frac{3}{4}$
Purple	$\frac{1}{2}$

- a) How much pink sand will be available for each daughter?

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- b) How much purple sand will be available for each daughter?

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- c) How much more pink sand will be available for each girl than purple sand?

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