

Name _____ Date _____

Quarantine Math

2 Week Review Form A

Solve the problems.

- 1** Find $650 - 583$.
Show your work.

$$650 - 583 = \underline{\hspace{2cm}}$$

- 2** Which of the following numbers round to 540 when rounded to the nearest ten? Choose all the correct answers.

- (A) 545
- (B) 534
- (C) 541
- (D) 535
- (E) 547



Name _____

Date _____

_____ued

Form A

- 3** What is $794 - 432$? Record your answer on the grid.
Then fill in the bubbles.

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

- 4** What is $161 + 127$?
Show your work.

$161 + 127 = \underline{\hspace{2cm}}$



Name _____

Date _____

Form A

- 5** Decide if each statement about rounding is true.
Choose *Yes* or *No* for each statement about rounding.

	Yes	No
384 rounded to the nearest ten is 380.	(A)	(B)
251 rounded to the nearest hundred is 250.	(C)	(D)
406 rounded to the nearest ten is 400.	(E)	(F)
545 rounded to the nearest hundred is 500.	(G)	(H)

- 6** Break apart numbers to add $563 + 274$.
Show your work.



Name _____

Date _____

continued

Form A

- 7** What two tens does 163 fall between?
Show your work.

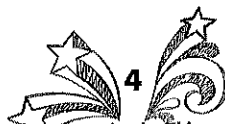
Solution _____

- 8** Add on to subtract.
Write your answer in the blanks.

$$134 + 6 + \underline{\quad\quad} + 1 = 201, \text{ so } 201 - 134 = \underline{\quad\quad}$$

- 9** Clark scores 146 points bowling.
Kia scores 179 points bowling.
How many points do they score in all?
Show your work.

Solution _____



Name _____

Date _____

continued

Form A

10 There are 635 students at Lucas School. The principal rounds to tell people how many students are at Lucas School.

Write your answers in the blanks.

Rounded to the nearest ten, there are _____ students at Lucas School.

Rounded to the nearest hundred, there are _____ students at Lucas School.

11 The sum of the equation below is written using hundreds, tens, and ones. Complete the equation.

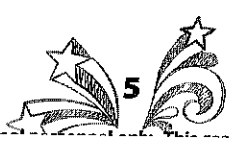
Write your answer in the blanks.

$437 + 286 =$ _____ hundreds + 11 tens + _____ ones

12 The difference of the equation below is written using hundreds, tens, and ones. Complete the equation.

Write your answer in the blanks.

$526 - 397 =$ 1 hundred + _____ tens + _____ ones



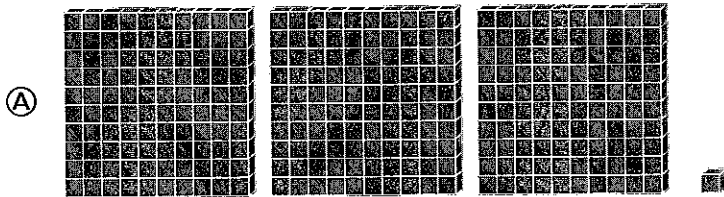
Name _____

Date _____

Unit Assessment—Form A

Form A

13 Which of these diagrams or solutions represents $243 + 158$?



(B)
$$\begin{array}{r} 200 + 40 + 3 \\ 100 + 50 + 8 \\ \hline 300 + 90 + 1 \end{array}$$

(C)
$$\begin{array}{r} 243 \\ + 158 \\ \hline 11 \\ 90 \\ 300 \end{array}$$

(D) 2 hundreds + 1 hundred = 3 hundreds
40 tens + 50 tens = 90 tens
3 ones + 8 ones = 11 ones

Solve the problems.

- 1** Isis practices 6 weeks for a play. Play practice lasts 2 hours each day. She practices 4 days each week. What is the total number of hours she practices? Record your answer on the grid. Then fill in the bubbles.

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

- 2** Joy finds 4×7 by breaking 7 apart. Complete the equation to show her work. Write your answer in the blanks.

$(4 \times 2) + (4 \times \underline{\quad}) = \underline{\quad}$

- 3** Kay is planting strawberries. She plants 50 strawberry plants in each row. How many strawberry plants will she plant in 6 rows?

- (A) 30
- (B) 300
- (C) 56
- (D) 560



Continued

- 4** Kaden has bottles of water for soccer practice. The table shows the sizes of the bottles and the number of bottles he has. How many bottles of water does Kaden have in all?

Size	Number of Bottles
Small	6
Medium	6
Large	6

Write a multiplication equation that can be used to answer the question. Write your answer in the blanks.

_____ × _____ = _____

- 5** Solve $27 \div \square = 3$. Record your answer on the grid. Then fill in the bubbles.

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

- 6** Explain how you can use a multiplication equation to solve $32 \div 4$. Then solve the problem.



Name _____

Date _____

Assessment continued

Form A

7 What value makes both equations true? Write your answer in the blank.

$$24 \div 3 = ?$$

$$3 \times ? = 24$$

$$? = \underline{\hspace{2cm}}$$

8 An art classroom has 5 tables. 10 students sit at each table.

La says she can find the number of students because she knows 10×5 . What is another multiplication fact she could use to solve the problem? Explain.

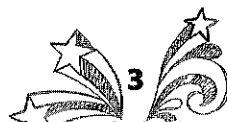
9 Complete the fact family. Write your answers in the blanks.

$$9 \times \underline{\hspace{2cm}} = 45$$

$$45 \div 5 = \underline{\hspace{2cm}}$$

$$5 \times 9 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \div 9 = 5$$



Continued

Form A

10 Kesia sees a pattern in the shaded part of the chart below.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

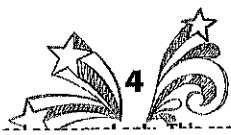
Part A

Which rule can be used to find the next shaded number in the pattern?

- Ⓐ add 4
- Ⓑ add 8
- Ⓒ add 10
- Ⓓ add 20

Part B

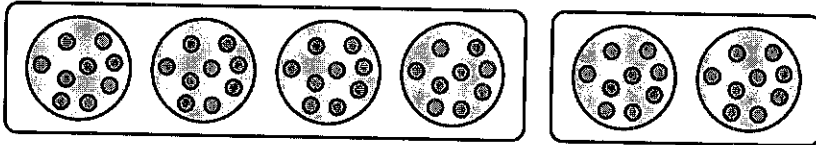
Are the shaded numbers even or odd? Why do you think this pattern happens? Explain.



continued

Form A

11 Lyle has 6 plates. He puts 9 cookies on each plate. He finds the total number of cookies by using the model below.



Which expressions show Lyle's model? Choose all the correct answers.

- (A) $(4 + 9) \times (2 + 9)$
- (B) $(4 + 2) \times 9$
- (C) $(9 + 6) \times 2$
- (D) $(4 \times 2) \times 9$
- (E) $(4 \times 9) + (2 \times 9)$
- (F) $(4 + 9) + (2 + 9)$

12 Which problem can be solved using the division equation $24 \div 3 = \square$?

- (A) Karin buys 24 bunches of bananas. Each bunch has 3 bananas in it. How many bananas does Karin buy?
- (B) Karin starts with 24 bananas. After making 3 loaves of banana bread, she has 8 bananas left. How many bananas does Karin use to make the bread?
- (C) Karin uses 8 bananas to make banana bread. She uses 3 bananas to make a smoothie. How many bananas does Karin use in all?
- (D) Karin buys 24 bananas. She puts an equal number of bananas into 3 bowls. How many bananas are in each bowl?

13 Describe two different ways you can model $56 \div 7 = 8$ using equal groups. Tell how 7 means something different in each model.



it continued

Form A

- 14** Decide if putting the number 8 in the box makes each equation true.

Choose Yes or No for each equation.

	Yes	No
$36 \div \square = 6$	(A)	(B)
$\square \times 4 = 24$	(C)	(D)
$40 \div 5 = \square$	(E)	(F)
$7 \times \square = 56$	(G)	(H)

- 15** Which expressions can be used to find the product of 2, 9, and 5?

Choose all the correct answers.

- (A) $(9 + 5) \times 2$ (B) $(5 \times 2) \times 9$
 (C) $2 + (9 + 5)$ (D) $(2 + 5) \times 9$
 (E) $9 \times (2 \times 5)$ (F) $(5 \times 9) \times 2$

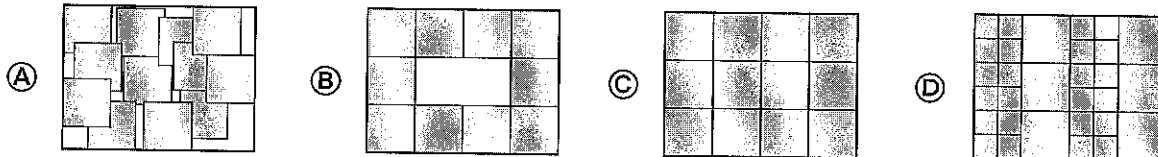
- 16** Which multiplication fact does this problem represent? Write your answer in the blanks.

$$(7 \times 3) + (7 \times 5) = ?$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

Solve the problems.

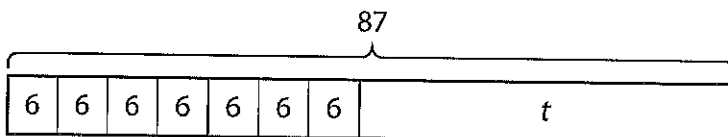
- 1** Mollie uses square fabric pieces. She finds the area of a rectangular quilt. Each fabric piece has the area of 1 square unit. Which model shows a way that Mollie could find the area of the quilt?



- 2** Paula has 36 books. She puts the same number of books on 4 shelves. How many books, b , does she put on each shelf? Decide if each equation can be used to solve this problem. Choose *Yes* or *No* for each equation.

	Yes	No
$36 \div b = 4$	(A)	(B)
$b \times 4 = 36$	(C)	(D)
$b = 36 \div 4$	(E)	(F)
$36 \times 4 = b$	(G)	(H)

- 3** Ms. Wilkens is packing 87 dog treats. She has 7 boxes of treats. There are 6 treats in each box. How many more treats, t , does she need?



Complete the equations. Write your answer in the blanks.

(_____ \times _____) + $t = 87$

_____ + $t = 87$

$t =$ _____ dog treats

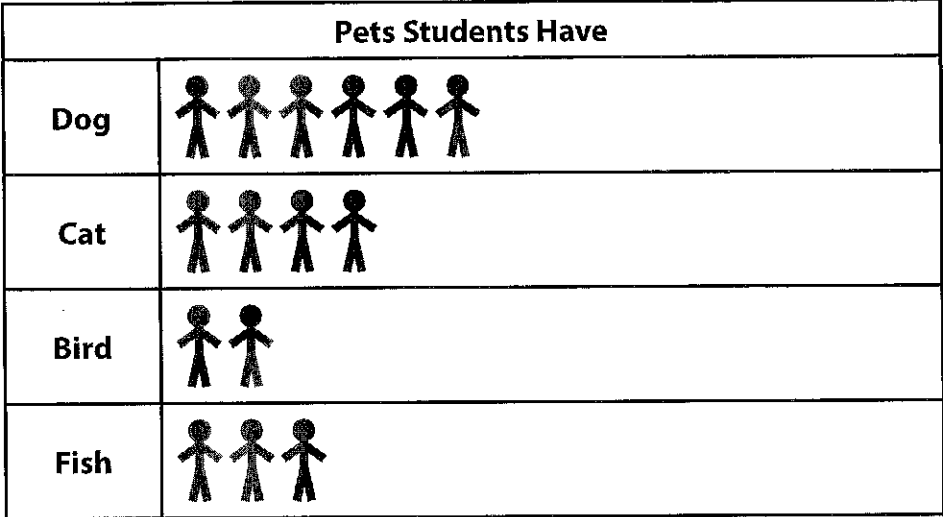


Continued

Form A

Use this picture graph to solve problems 4, 5, and 6.

Jiro asks the students in third grade what kind of pets they have. He makes this picture graph to show how students answered.



Key: Each  stands for 3 students.

4 How many students have pet birds?
Show your work.

Solution: _____

5 How many students have pet cats? Write your answer in the blank.

_____ students have pet cats.

6 How many more students have cats and fish as pets than dogs?

- (A) 1
- (B) 3
- (C) 6
- (D) 9

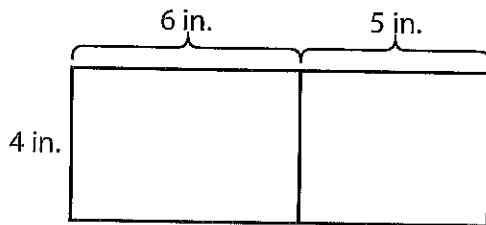




7 Diego is packing 280 CDs into boxes. Each box holds 8 CDs. Diego has already packed 200 CDs. Which equation can be used to find the number of boxes, b , that Diego needs in order to finish packing the CDs? Choose all the correct answers.

- (A) $280 - (8 \times b) = 200$
- (B) $200 = (8 \times b) + 280$
- (C) $280 + (200 - 8) = b$
- (D) $280 = (200 + 8) \times b$
- (E) $280 = 200 + (8 \times b)$

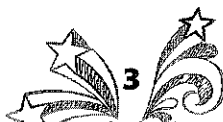
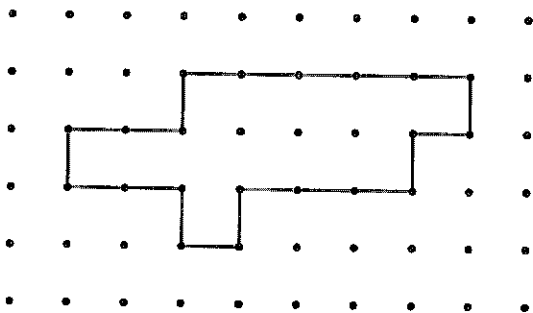
8 Raul has a rectangular post card that is divided into two parts. How many square inches is the total area of the post card? Record your answer on the grid. Then fill in the bubbles.



0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

9 What is the area of this shape? Write your answer in the blank.

Area = _____ square units



Continued

Form A

- 10** A cafeteria worker stacks 54 trays. He makes 9 stacks of trays. How many trays are in each stack?

Write related multiplication and division equations to find the number of trays in each stack. Use t for the unknown number.

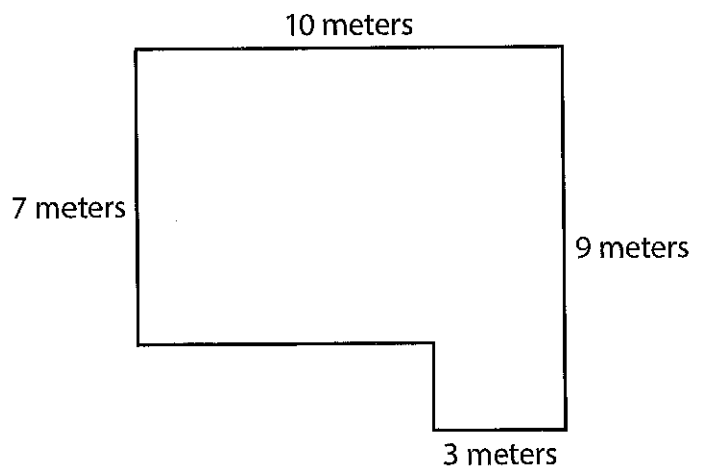
Solution _____

- 11** Mr. Slinker has a rectangular bathroom floor. It is 6 meters wide by 8 meters long. He has enough tile to cover 49 square meters. Does he have enough tile for his bathroom floor? Explain.

Show your work.

Solution _____

- 12** A floor plan of Jason's living room floor is shown. How many square meters is the total area of the living room floor? Show your work.



Solution _____



Name _____

Date _____



Form A

- 13** Lamar has 239 songs on his playlist. He adds 82 songs to the list. Then he deletes 168 songs. He says, "Now, I have 253 songs on my play list."
Is Lamar's answer reasonable? Use estimation to check his work.
Show your work.

Solution _____

- 14** Which problems can be solved using $27 \div 3 = \square$? Decide if $27 \div 3 = \square$ can be used to solve each problem. Choose Yes or No for each problem.

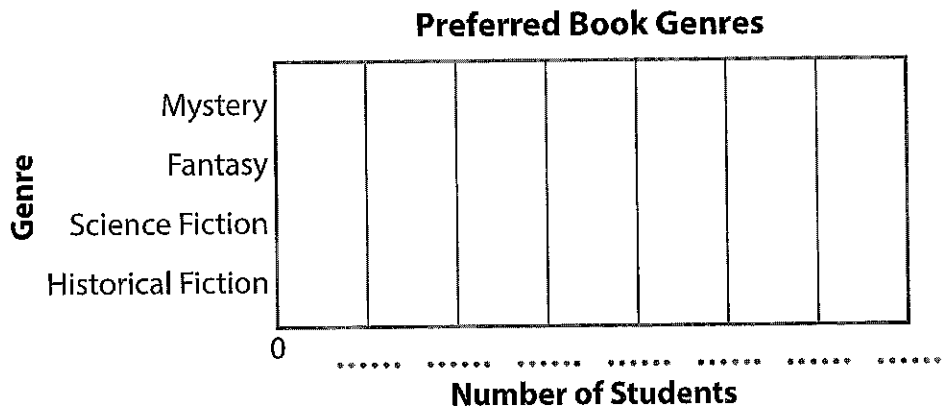
	Yes	No
San has 27 fish. He puts an equal number of fish in 3 tanks. How many fish are in each tank?	(A)	(B)
Taima has 27 watermelons to sell. She sells all but 3 of the watermelons. How many watermelons does she sell?	(C)	(D)
Yolanda draws 3 pictures each day for 27 days. How many pictures does she draw in all?	(E)	(F)
Wayne runs 3 miles each day. How many days will it take him to run 27 miles in all?	(G)	(H)

- 15** Blakely has a square exercise mat. One side length is 3 meters long. How many square meters does Blakely's exercise mat cover?
- (A) 3 square meters (B) 6 square meters
(C) 9 square meters (D) 12 square meters



- 16** The table shows the number of students who prefer different book genres. Complete the bar graph below using the data in the table.

Preferred Book Genres	
Genre	Number of Students
Mystery	21
Fantasy	12
Science Fiction	18
Historical Fiction	6

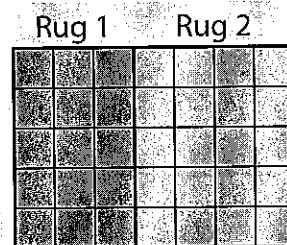


- 17** Zara places two rugs next to each other as shown.

Each unit square is 1 square foot.

What is the total area of both rugs?

Show your work.



Solution _____

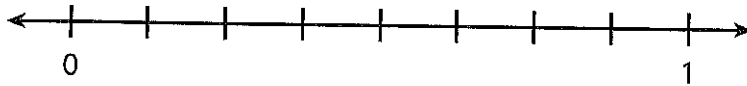
Name _____

Date _____

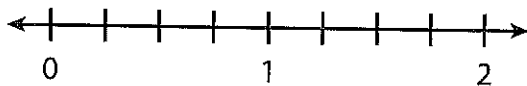
Form A

Solve the problems.

- 1** How many equal parts are between 0 and 1? Write your answer in the blank.



- 2** The number line has marks at which fractions? Choose all the correct answers.



- (A) $\frac{3}{4}$
- (B) $\frac{4}{4}$
- (C) $\frac{8}{2}$
- (D) $\frac{2}{3}$
- (E) $\frac{8}{4}$
- (F) $\frac{6}{2}$



continued

Form A

- 3 The parts in this model are all equal.

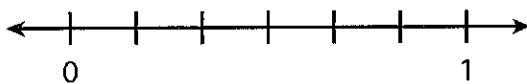
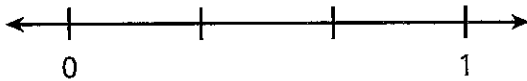


Which fraction names the shaded part of the model?

- (A) $\frac{4}{4}$
 (B) $\frac{4}{6}$
 (C) $\frac{2}{4}$
 (D) $\frac{2}{6}$

- 4 Which pairs of equivalent fractions can be shown on the number lines below?

Choose all the correct answers.



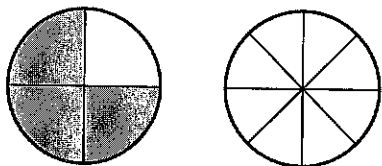
- (A) $\frac{1}{6} = \frac{1}{3}$
 (B) $\frac{2}{3} = \frac{4}{6}$
 (C) $\frac{3}{3} = \frac{6}{6}$
 (D) $\frac{2}{3} = \frac{2}{6}$
 (E) $\frac{2}{6} = \frac{1}{3}$
 (F) $\frac{5}{6} = \frac{2}{3}$

continued

Form A

5 Part A

The shaded model shows $\frac{3}{4}$. Describe how you would shade the other model to show a fraction equivalent to $\frac{3}{4}$.

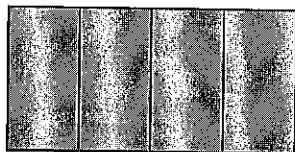


Part B

Name the equivalent fractions that the shaded models represent.

6 Steph says that the model below shows $\frac{4}{1}$.

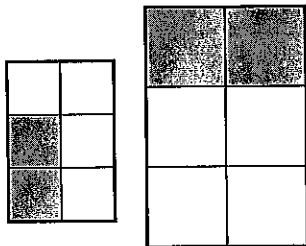
Kevin says that the model shows $\frac{4}{4}$.



Which sentence explains who is correct?

- (A) Both are correct because the model shows 4 wholes, and $\frac{4}{1}$ and $\frac{4}{4}$ are both equal to 4.
- (B) Neither is correct because the model shows 1 whole, and $\frac{4}{1}$ and $\frac{4}{4}$ are both equal to 4.
- (C) Steph is correct because the model shows 4 wholes, and $\frac{4}{1} = 4$.
- (D) Kevin is correct because the model shows 1 whole, and $\frac{4}{4} = 1$.

7 Each rectangle is divided into equal parts.

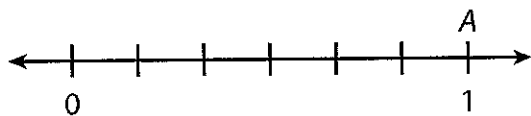


Compare the fraction of each rectangle that is shaded. Explain what is the same and what is different about the shaded parts.

8 Fallon says that A is at 1.

Kelly says that A is at $\frac{6}{6}$.

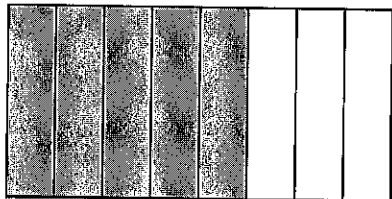
Bill says Fallon and Kelly are both right. Use the number line to explain.



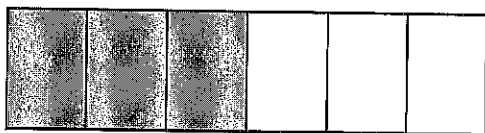
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Form A

- 9 Abigail uses this model to show $\frac{5}{8}$.



- Morgan uses this model to show $\frac{3}{6}$.



Part A

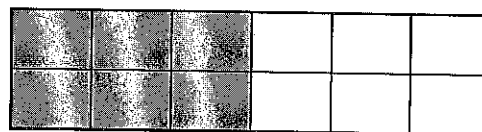
Which statement best explains whether the models show that $\frac{5}{8}$ and $\frac{3}{6}$ are equivalent?

- Ⓐ The models do not show that $\frac{5}{8}$ is equivalent to $\frac{3}{6}$ because they each have a different number of parts shaded.
- Ⓑ The models do not show that $\frac{5}{8}$ is equivalent to $\frac{3}{6}$ because the size of each whole is not the same.
- Ⓒ The models do not show that $\frac{5}{8}$ is equivalent to $\frac{3}{6}$ because they are not divided into the same number of parts.
- Ⓓ The models show that $\frac{5}{8}$ is equivalent to $\frac{3}{6}$ because the shading covers the same area.

Part B

Morgan draws a line through his model.

Which fraction is shown by the shaded part of the new model? Write your answer in the blank.



[REDACTED]

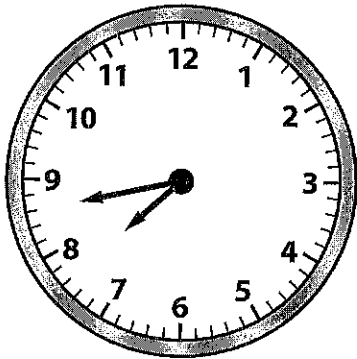
[REDACTED]

Solve the problems.

1 Which of the following could have a mass of 6 kilograms?
Choose all the correct answers.

- (A) a cat
- (B) a key
- (C) a car
- (D) a box of cereal
- (E) a gallon of paint
- (F) a bowling ball

2 The clock shows the time that Liam leaves for school.



What time does Liam leave for school? Explain your answer.



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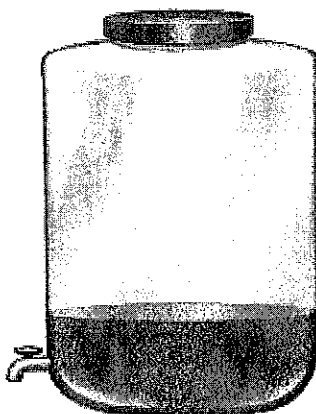
Form A

- 3** Suki put 65 liters of water in a small pool. The pool can hold 90 liters of water. How much more water does Suki need to completely fill the pool?
Show your work.

Solution _____

- 4** Zoe starts to play chess with her cousin at 3:15 PM. They play for 51 minutes. What time do they stop playing chess?
- (A) 3:51 PM (B) 4:06 PM
(C) 4:16 PM (D) 4:24 PM

- 5** There are 2 liters of water in this jug. Estimate the number of liters the jug can hold when full. Explain your estimate.



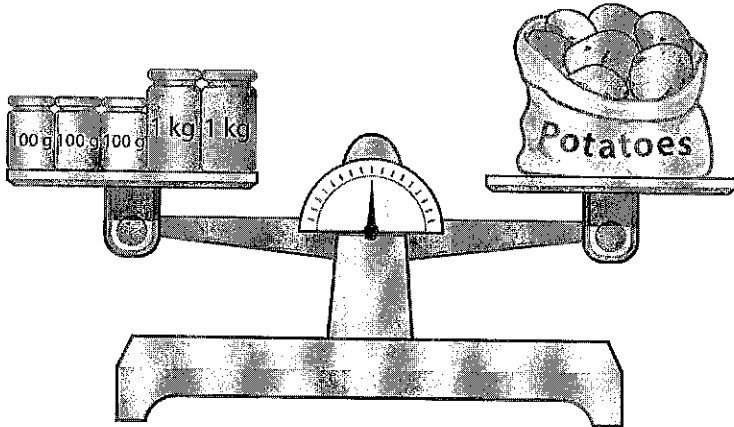
Solution _____

Name _____

Date _____



6 Chad put a bag of potatoes on one side of a scale. He put some kilogram and gram weights on the other side to balance the scale.



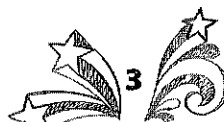
What is the mass of the bag of potatoes?

- Ⓐ 302 kilograms
- Ⓑ 5 kilograms
- Ⓒ 2 kilograms, 3 grams
- Ⓓ 2 kilograms, 300 grams

7 Decide if each container holds more than 5 liters.

Choose *Yes* or *No* for each container.

	Yes	No
drinking glass	Ⓐ	Ⓑ
recycling container	Ⓒ	Ⓓ
bath tub	Ⓔ	Ⓕ
tube of toothpaste	Ⓖ	Ⓗ
milk carton	Ⓘ	⓵
tea pot	Ⓚ	Ⓛ



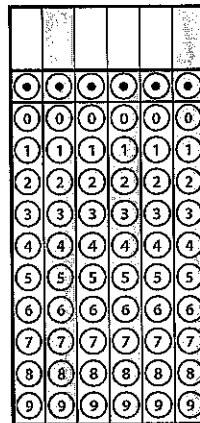
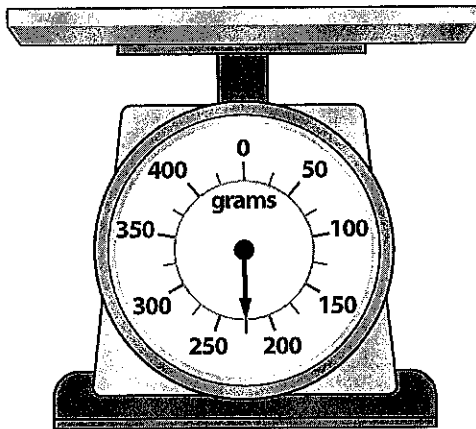
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Form A

8 Miguel has some tasks to do on Saturday morning. The table shows the time he starts each task, the number of minutes he spends on each task, and the time he finishes each task. Complete the table. Write your answers in the blanks.

Task	Start Time	Time Spent	Finish Time
Complete math project	9:30	25 minutes	
Practice the piano		15 minutes	10:18
Walk the dog	10:53		11:06

9 Greg has a notebook and a flashlight in his backpack. The mass of the notebook is 83 grams. The mass of the flashlight is shown on the scale. What is the total mass, in grams, of the notebook and flashlight? Record your answer on the grid. Then fill in the bubbles.





10 Travis starts his yard work at 11:10 AM. First, he rakes leaves for 17 minutes. Then he spends 25 minutes mowing the lawn. Decide if each statement about his yard work is true.

Choose *True* or *False* for each statement.

	True	False
Travis finishes his yard work in 32 minutes.	(A)	(B)
Travis finishes his yard work at 11:52 AM.	(C)	(D)
Travis finishes raking leaves at 11:17 AM.	(E)	(F)
Travis finishes his yard work at 8 minutes before 12:00 PM.	(G)	(H)

11 Mia has a bucket containing 7 golf balls. The mass of each golf ball is 40 grams. What is the total mass of the golf balls? Show your work.

Solution _____

12 Lucy has 4 fish tanks. Each tank holds 9 liters of water. Write a multiplication equation to show how many liters of water Lucy needs to fill all the fish tanks. Write your answers in the blanks.

_____ × _____ = _____



Name _____

Date _____

Continued

Form A

- 13** Art class starts at 11:53 AM and ends at 12:42 PM. How many minutes long is art class? Record your answer on the grid. Then fill in the bubbles.

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

- 14** Would you estimate the mass of a cell phone using grams or kilograms? Explain why you chose your answer.

Solution _____

Solve the problems.

- 1** Which words can be used to describe the shape below?
Choose all the correct answers.



- (A) square (B) quadrilateral
(C) rhombus (D) parallelogram
(E) rectangle (F) hexagon

- 2** Tamika and Bill weave rugs. Both rugs are in the shape of a rectangle.

Part A

Tamika's rug is 9 feet long. Its area is 54 square feet.
What is the perimeter of her rug? Show your work.

Solution _____

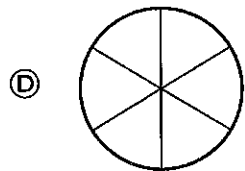
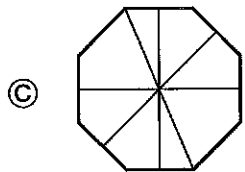
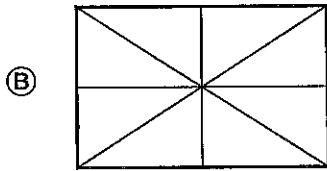
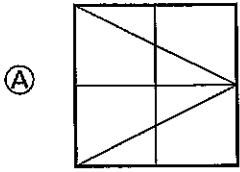
Part B

Bill's rug is 10 feet wide. The perimeter is 48 feet.
What is the area of his rug? Show your work.

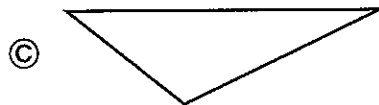
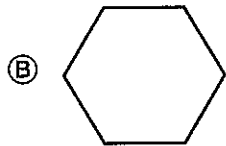
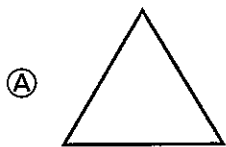
Solution _____



3 Which shape is divided into parts equal to $\frac{1}{8}$ of the area of the shape?



4 Reza sorts shapes into groups. Which shape belongs in the group *no sides the same length*?

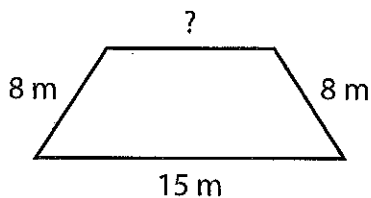


5 What group could this shape belong to?



Solution _____

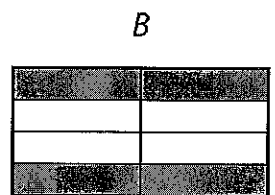
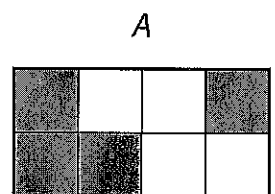
6 The city has a swimming pool shaped like a trapezoid. The perimeter of the pool is 40 meters. What is the unknown side length in meters? Show your work.



Solution _____

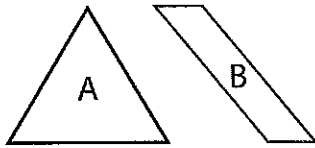
7 Use the rectangles at the right to decide if each statement is true. Choose *True* or *False* for each statement.

	True	False
$\frac{1}{3}$ of shape A is shaded.	(A)	(B)
$\frac{1}{2}$ of shape B is shaded.	(C)	(D)
Each row in shape A is $\frac{1}{2}$ of the whole rectangle.	(E)	(F)
Each row in shape B is $\frac{1}{4}$ of the whole rectangle.	(G)	(H)



Unit 6 Unit Assessment continued

8 Use these shapes for **Part A** and **Part B**.



Part A

Pilar says both shapes belong in the same group. What group could both shapes belong to? Explain your reasoning.

Part B

Nen says both shapes do not belong in the same group. What group could only one shape belong to? Explain your reasoning.

9 Nicole draws a parallelogram. Decide if each statement about Nicole's parallelogram is true. Choose *Yes* or *No* for each statement.

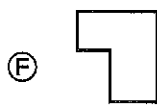
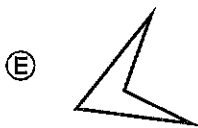
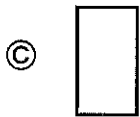
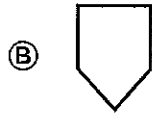
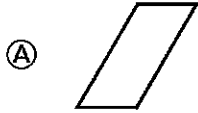
	Yes	No
It is a quadrilateral.	(A)	(B)
It could have 4 right angles.	(C)	(D)
It has no sides the same length.	(E)	(F)
It could be a rhombus.	(G)	(H)



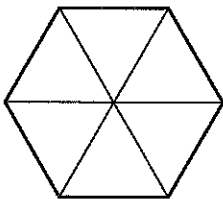
Continued

Form A

10 Which shapes belong to both of these groups: *4 sides* and *at least 1 pair of parallel sides*? Choose all the correct answers.



11 The hexagon is divided into equal parts. What fraction of the total area of the hexagon is each part? Explain.

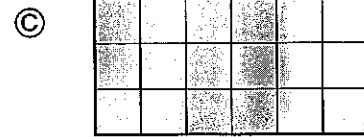
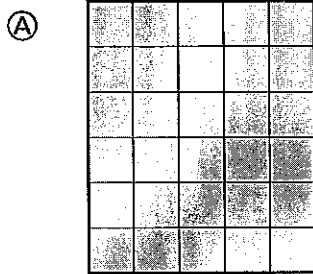
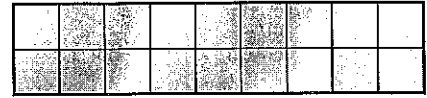


Solution _____



12 Manuel arranges some ceramic tiles to form this rectangle.

Which rectangles have the same area but a different perimeter? Choose all the correct answers.



13 Linda divides a rectangle into 2 equal rows with 3 squares in each row. What fraction of Linda's rectangle is covered by 2 squares? Show your work.

Solution _____