MATH FLASHBACKS

Set 1:

- 1. What is 10 more than 112?
 - A. 102
 - B. 122
 - C. 132
 - D. 123
- 2. Susan used 454 sugar cubes to build a model of the White House. Lauren used 100 less than Susan. Which number is 100 less than 454?
 - A. 354
 - B. 554
 - C. 444
 - D. 464
- 3. A Trip to the Snack Bar

Nachos\$5	Pizza\$4
Pretzel with Cheese\$3	Soft Drink\$1

- A. If you spent a total of \$9.00, what is one combination of snacks you could have bought?
- B. If you have \$11.00 to spend, could you buy one of everything on the menu? How do you know?



Set 2:

- 1. 567 + 202
 - A. 896
 - B. 796
 - C. 769
 - D. 779
- 2. There were 673 people at the ballgame on Friday. There were 875 people at the ballgame on Saturday. How many more people attended the game on Saturday than on Friday?
 - A. 1548 people
 - B. 202 people
 - C. 212 people
 - D. 1448 people
- 3. Use the number line below to answer the questions.



- A. What is 473 rounded to the nearest ten?
- B. Explain how you know your answer is correct?

Set 3:

1. What three numbers would come next in the pattern?

55, 65, 75, 85,...

- A. 86, 87, 88
 B. 95, 105, 115
 C. 90, 100, 110
 D. 90, 95, 100
- 2. Which number would come next in this pattern?

16, 20, 24, 28, _____

- A. 30
 B. 31
 C. 32
 D. 33
- 3. Look at the pattern below.

14, 21, 28, 35, 42...

- A. Identify the next three numbers of the pattern.
- B. Explain the rule of the pattern. Show your work.



Set 4:

- 1. What number is missing in the following number sentence?
 - 125 = ____ + 38 A. 113 B. 87 C. 83 D. 77
- 2. A fruit stand had 115 green apples and 83 red apples. On Monday they sold 74 apples. How many apples does the fruit stand have left?
 - A. 272 apples
 - B. 124 apples
 - C. 198 apples
 - D. 9 apples
- 3. A school has 177 red kick balls and 192 yellow ones. 275 kick balls are stored in the gymnasium and the rest are kept on the playground. How many balls are on the playground? Show your work.



Set 5:

1. After spending \$65.00 on a shirt and \$124.00 on a pair of shoes, Bob has \$50.00 left in his wallet.

How much money did Bob have to begin with?

- A. \$189.00
- B. \$139.00
- C. \$229.00
- D. \$239.00
- 2. A newspaper carrier needed to deliver 750 newspapers. He delivered 235 newspapers on First Avenue and 367 newspapers on Brent Street. How many more newspapers did he need to deliver?
 - A. 148 newspapers
 - B. 602 newspapers
 - C. 1352 newspapers
 - D. 515 newspapers
- 3. Dominique wants to buy a football worth \$110.00 and a game system worth \$339.00. If he only has \$375.00 how much more money does he need? Show your work.

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Set 6:

- 1. What is 65 rounded to the closest ten?
 - A. 60
 - B. 100
 - C. 70
 - D. 80
- 2. What is 648 rounded to the closest hundred?
 - A. 650
 - B. 640
 - C. 600
 - D. 700
- 3. Complete the attached number mat.

- Set 7:
 - Juan found three boxes of football cards in his garage. The first box had 158, the second box had 110, and the third box had 87. He told Matt they should start a collection of football cards. How many football cards do they have to start their collection?
 - A. 354 football cards
 - B. 254 football cards
 - C. 355 football cards
 - D. 268 football cards
 - 2. How long is the key?



Inch	es 1		2	3	3		Z	ł		5	5

- A. 3 inches
- B. 3 ¾ inches
- C. 3 ¼ centimeters
- D. 3¼ inches

 Julien sold cookies to help raise money for his baseball team. Create a pictograph to show the amount of cookies Julien sold each day. Monday: 2 cookies sold Tuesday: 4 cookies sold Wednesday: 6 cookies sold Thursday: 4 cookies sold Friday: 8 cookies sold

Cookies sold by Julien





- 1. How long is the car?
 - A. 5 inches
 - B. 4 ¾ inches
 - C. 4 ½ inches
 - D. 4 ¼ inches
- LeBron James played two games over the weekend. In his first game he scored 32 points. The next night he scored 9 more points than he did the night before. How many points did he score for the whole weekend?
 - A. 73 points
 - B. 41 points
 - C. 23 points
 - D. 63 points

3. Mrs. Newton's class collected data about the number of students absent at Jefferson School in September. They collected the data shown in the table below.

Grade Level	Number of Students Absent
Kindergarten	12
First Grade	9
Second Grade	15
Third Grade	10
Fourth Grade	21
Fifth Grade	19

- A. Draw and label a bar graph to represent the data collected by Mrs. Newton's class.
- B. How many students were absent in the second, third and fourth grade altogether?



Set 9:

1. How long is this bike?



- A. 2 ¾ inches
- B. 2 inches
- C. $2\frac{1}{2}$ centimeters
- D. 2 ½ inches
- 2. Every summer, scientists keep track of loggerhead sea turtle nests. The table shows how many nests were seen on some South Carolina beaches in July 2000. How many nests were on both Cape Island and Pritchard's Island?

Loggerhead Sea Turtle Nests							
Beach	Nests Found						
Cape Island	615						
Hilton Head Island	129						
Kiawah Island	205						
Pritchard's Island	106						

- A. 721
- B. 744
- C. 509
- D. 820

3. Four Girl Scouts sold cookies for one month. The list below shows how many boxes were sold by each Girl Scout.

Isabella – 40 boxes	Sam – 35 boxes
Emma – 15 boxes	Grace – 50 boxes

Use the information from the list to complete the pictograph below and answer the questions.

Name	Cookie Sales
Isabella	
Emma	
Sam	
Grace	



A. How many boxes of cookies did the girls sell in all? Show your work.



B. How many more boxes did Grace sell than Emma? Show your work.

Set 10:

- 1. Round 9,364 to the nearest ten?
 - A. 9,000B. 9,360C. 9,400D. 9,370
- 2. There are 485 students in Brown Lane Elementary School. Mrs. Black has 24 students in her third grade class, Mr. Green has 23 students in his third grade class, and Ms. Blue has 21 students in her third grade class. How many students are **not** third graders at Brown Lane Elementary?
 - A. 68 students
 - B. 423 students
 - C. 417 students
 - D. 553 students
- Use a ruler to measure the following objects in inches. Measure the longest side of each shape.





- A. Name each shape and its measurement to the closest quarter inch.
- B. Which shape is longer? How do you know?



Set 11:

- 1. What is 5,234 rounded to the nearest hundred?
 - A. 5,200
 - B. 5,000
 - C. 5,300
 - D. 5,230
- 2. Lady Gaga held a concert over two days. On Saturday, 128 people got a chance to go backstage and meet her. On Sunday 25 more people went backstage to meet her than on the first day. How many people had the chance to meet her over the weekend?
 - A. 153 people
 - B. 281 people
 - C. 143 people
 - D. 271 people

3. Below is a list of students' foot sizes in inches.

Johnny – 10 in.	Sam – 10 in.
Emma – 9 in.	LaTonya – 10 in.
Louise – 9 in.	Sharon – 7 in.
Juan – 11 in.	Darrel – 10 in.
Jose – 11 in.	LaDonna – 11 in.
Jonathan – 10 in.	Eric – 10 in.

- A. Use the measurements to create a line plot.
- B. Which foot size has the most data?



Set 12:

1. 482 + 423 =

- A. 805
- B. 8105
- C. 905
- D. 815
- On Saturday Justin Bieber's name was googled 466 times. On Sunday his name was googled 57 more times than it was on Saturday. What was the total number of times his name was googled on both days?
 - A. 523 times
 - B. 423 times
 - C. 889 times
 - D. 989 times
- 3. Round each of the numbers below to the nearest ten or hundred. Explain your thinking.

Round to the nearest ten: 63 Round to the nearest hundred: 657



Set 13:

 Using the line, please answer the following problem: Alexis left school at 3:20 p.m. on the school bus. She arrived home 47 minutes later. What time did she get home?

|-----|

- A. 2:33 p.m.
- B. 4:07 p.m.
- C. 3:47 p.m.
- D. 4:00 p.m.
- 2. Chase takes 35 minutes to get ready for school in the morning. It takes him 15 minutes to get to school. If Chase has to be at school at 8:45 a.m. what time, should he get up in the morning?
 - A. 7:55 A.M.
 - B. 7:30 A.M.
 - C. 7:40 A.M.
 - D. 8:15 A.M.
- 3. 716 374

374 + 342

A. Solve the problems. Show your work.

B . Explain how the addition and subtraction problems are related.



Set 14:

- 1. Ms. White has 4 rows of carrots with 5 plants in each row. Find the multiplication equation that shows how many carrots are in Ms. White's garden.
 - A. 4 + 5= 9
 B. 1 x 9 =9
 C. 5 + 5 + 5 + 5 = 20
 D. 4 x 5 = 20
- 2. Look at the pattern below. Fill in the missing numbers and select the rule for this pattern.
 - 25, 29, 33, 37, 41, _____, ____, ____, ____, ____,
 - A. Multiply each number by 2
 - B. Add four to each number
 - C. Subtract four
 - D. Divide each number by 2 and add 5
- 3. Dan has seven shelves in his playroom. There are eight video games on each shelf.
 - A. Write the multiplication equation that will show the number of video games in Dan's playroom.
 - B. Solve the multiplication equation by showing your work.
 - C. Draw a diagram that represents this problem.



Set 15:

- 1. Steve counted the legs on four spiders. He wrote down the following equation to solve this problem 8 + 8 + 8 + 8. What is another way to solve this problem?
 - A. 4÷8
 - B. 4+8
 - C. 4 x 8
 - D. 4-8
- 2. Find the missing factor in the following number sentence.

48 = 8 x Δ

- A. 12
- B. 10
- C. 8
- D. 6
- 3. In a theatre, seats are arranged in rows. 50 students from Jefferson Elementary went to the theatre for a fieldtrip. There are 6 rows of seats and each row has 9 seats.
 - A. Write an equation to match this problem.
 - B. Draw a picture of the arrangement of the seats in the theatre.
 - C. How many seats will be empty? Show your work.

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Choose the correct multiplication sentence that represents the picture above:

- A. 8 x 3
- B. 10 x 3
- C. 4 x 8
- D. 3 x 8
- 2. Choose the multiplication equation that matches this picture.



3. There are 24 musicians in a marching band. The musicians must march in equal rows. How many different ways could the musicians arrange themselves in equal rows? Show your work. Record your thinking using arrays, numbers or words.



Set 17:

- 1. If $6 \times 7 = 42$, then $7 \times 6 =$
 - A. 48
 - B. 45
 - C. 42
 - D. 36
- 2. True or False:
 - 5 x 4 x 6 = 20 x 6
- 3. Anna has 35 M&Ms. She wants to share her candy with her 6 friends. How many M&Ms will Anna and each of her friends receive? Show your work using an equation, words, or a picture.



Set 18:

1. What number completes the equation below?

7 X 🗌 = 28

- A. 3
- B. 4
- C. 7
- D. 21
- 2. 32 students are in the science classroom. The teacher wants to group them into 4 groups. How many students will be in each group?
 - A. 2
 - B. 4
 - C. 5
 - D. 8
- 3. Jesse has two times as many trucks as Isaac and Freddy put together. If Isaac has 6 trucks and Freddy has 3 trucks, how many trucks does Jesse have? Explain your thinking with an equation, words, or pictures.



FLASHBACKS ANSWER KEY FOR SETS 1-18

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Standard	Question	Answer
2.NBT.8	1	B. 122
2.NBT.8	2	A. 354
3.OA.8	3	Short Answer: A. Variety of possible answers B. No, because the total would equal \$13.00 and that is more than \$11.00 (with various strategies to determine answer.)

Set 2

3.NBT.2	1	C. 769
3.OA.8	2	В. 202
3.NBT.1	3	Short Answer:
		 A. 470 B. When a digit is less than 5, you round the digit down to zero. The 3 digit that is located in the ones place is then rounded down to zero.

Set 3

3.OA.9	1	B. 95, 105, 115
3.OA.9	2	C. 32
3.OA.9	3	Short Answer:
		A. 49, 56, 63
		B. Identifies rule as +7 or multiples of 7.
		Various strategies to show or explain
		answer.

Set 4

3.OA.8	1	B. 87
3.OA.8	2	B. 124

3.OA.8	3	Short Answe	Answer: er is 94.
		Step 1 177 + <u>192</u> 369	Step 2 369 - <u>275</u> 94

Set 5

3.OA.8	1	D. \$23	9.00
3.0A.8	2	A. 148	newspapers
3.OA.8	3	Short Ans Answer is	wer: \$74.
		Step 1 \$339 +\$ <u>110</u> \$449	Step 2 \$449 -\$ <u>375</u> \$ 74

Set 6

3.NBT.1	1	C. 70
3.NBT.1	2	C. 600
3.NBT.2	3	Short Answer: See mat answer key

Set 7

				-			
Standard	Question		Answer				
3.NBT.2	1			C. 355			
3.MD.4	2		D. 3¼ inches				
3.MD.3	3		Short Answer: X				
				Х		Х	
			Х	Х	Х	Х	
		X	Х	Х	х	Х	
		Monday	Tuesday	Wednesday	Thursday	Friday	

		Set 8		
Standard	Question	Answer		
3.MD.4	1	B. 4¾ inches		
3.OA.8	2	A. 73 points		
3.MD.3	3	Short Answer:		
		Absenses		
		A. B. 46 students absent		

Set 9

Standard	Question	Answer				
3.MD.4	1	D. 2½ inches				
3.OA.8	2		A. 721			
3.MD.3	3	Short Answer:				
		Name	Cookie Sales			
		Isabella				
		Emma				
		Sam				
		Grace				
		A. 140 boxes in all				
		B. 50 - 15= 35 more boxes				

		Set 10
Standard	Question	Answer

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3.NBT.1	1	B. 9,360
3.OA.8	2	C. 417 students
3.MD.4	3	Short Answer:
		A. The rectangle measurement = 2 in., Parallelogram measurement = 1 ½ in.
		B The rectangle is longer because 2 inches is $\frac{1}{2}$ in. greater than the parallelogram's $1\frac{1}{2}$ in.
		measurement

Standard	Question		Answer					
3.NBT.1	1		A. 5,200					
3.OA.8	2		B. 281					
3.MD.4	3			Sh	ort Ans	wer:		
		A.				Х		
						Х		
						Х		
						Х	Х	
					Х	Х	Х	
			х		Х	Х	Х	
			7	8	9	10	11	
		B.	10 in. is th	e most po	pular			

Set 11

Set 12

Standard	Question	Answer
3.NBT.2	1	C. 905
3.OA.8	2	D. 989
3.NBT.1	3	Short Answer:
		63 rounded to nearest ten: 60
		657 rounded to nearest hundred: 700

Set 13

		-
Standard	Question	Answer
3.MD.1	1	B. 4:07 PM
3.MD.1	2	A. 7:55 AM
3.NBT.2	3	Short Answer:
		A. 716 – 374 = 342
		374 + 342 = 716
		Students should show their strategy.
		 B. The two problems are part of a fact family. The answer to the subtraction problem is one of the addends in the addition problem. The same three numbers are used in both problems.

3.OA.3	1	D. 4 x 5 = 20
3.OA.9	2	B. Add four to each
		Number
3.OA.3	3	Short Answer:
		A. 7 x 8
		B. 7 x 8 = 56
		7 x 2 = 14 💉 7 x 4 = 28
		$7 \times \underline{2} = \underline{14}$ $7 \times \underline{4} = \underline{28}$
		4 28 8 56
		С.
1		

Set 15

3.0A.3	1	C. 4 x 8
3.OA.4	2	D. 6
3.0A.4 3.0A.3	3	Short Answer: A. 6 x 9 = 54 B.
		C. 4 seats will be empty.

	Set 16	
3.0A.1	1	A. 8 x 3
3.0A.1	2	B. 7 x 5
3.OA.3	3	Short Answer:
		Possible answers:
		1 x 24 24 x 1 2 x 12 12 x 2 3 x 8 8 x 3 4 x 6 6 x 4

Set 17

3.OA.5	1	C. 42
3.OA.2	2	True
3.OA.2	3	Short Answer: 7 x 5 = 35
		XXX XXX XXX XXX XXX XXX

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Set 18

3.0A.4	1	B. 4
3.OA.4	2	D. 8
3.OA.8	3	Short Answer: 2 x (6 + 3) = 2 x 9 =18