

Mrs. Melia's Math Class

Dear Students,

This packet is part one of your summer assignment. It is designed to help you retain the information you learned in 5th grade. For this practice to be effective, work on these exercises for 15 minutes per day. On the top of each page or work on your packet please write the date to remind yourself to space out the packet during the summer. Do not try to complete this packet in one day. All work should be completed on loose leaf paper and will be collected on the first full day of school. It is not necessary to print out this packet, however, feel free to do so if it is easier for you. Any loose leaf should be stapled to the packet. Also some topics may be new to you. Allow yourself to be challenged. Try it out and do your best. Remember to always be resourceful. If you forgot a topic, look it up online or in an old notebook. The packet will be graded as your first homework grade.

Part two (for those in accelerated math) will be to create a mini-lesson on any of the following topics and complete each of the four parts to be handed in and graded as your first project grade.

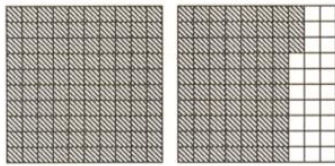
Topics: <ol style="list-style-type: none"> 1. Integer Operations 2. Operations with Fractions (add, subtract, multiply and divide) 3. Operations with Money (add, subtract, multiply and divide) 	Parts of the Lesson: <ol style="list-style-type: none"> 1. Introduction 2. Steps, procedure and notes needed to teach the topic. 3. Examples with work shown to be taught to the class. 4. Activity such as a worksheet, game (can be from online) etc.
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Have a safe, healthy and fun filled summer!

Mrs. Melia



<p>1. The local school system bought 2726 computers. Then they decided to buy 1000 more computers. How many computers did they buy in all?</p> <p>a) 2727 b) 2737 c) 2826 d) 3726</p>	<p>2. Jade drove 5296 miles in her car. Mariah drove 100 fewer miles than Jade. How many miles did Mariah drive?</p> <p>a) 4296 b) 5196 c) 5396 d) 6296</p>
<p>3. Which is another name for 8207?</p> <p>a) $820 + 7$ b) $820 + 70$ c) $8000 + 200 + 7$ d) $8000 + 200 + 70$</p>	<p>4. Which means the same as 39 hundreds?</p> <p>a) 309 b) 390 c) 3090 d) 3900</p>
<p>5. Which means the same as 3147?</p> <p>a) 2 thousands, 14 hundreds, 7 ones b) 3 thousands, 11 hundreds, 47 tens c) 3 thousands, 14 hundreds, 7 tens d) 2 thousands, 11 hundreds, 47 ones</p>	<p>6. 32 tens and 19 ones can also be expressed as</p> <p>a) 329 b) 339 c) 3219 d) 3319</p>
<p>7. In which number does the 3 have the greatest value?</p> <p>a) 3265 b) 2356 c) 2653 d) 6532</p>	<p>8. What is the value of 3 in the number 4329?</p> <p>a) 3000 b) 300 c) 30 d) 3</p>
<p>9. The value of 7856 would change by how much if the 8 were replaced by 9?</p> <p>a) 100 b) 1000 c) 800 d) 9000</p>	<p>10. The value of 2463 would change by how much if 5 replaced 2?</p> <p>a) 1000 b) 2000 c) 3000 d) 4000</p>
<p>11. The shaded portion of the figures below shows what decimal number?</p>	<p>12. The shaded portion of this picture represents what decimal number?</p>



- a) 0.33
- b) 1.27
- c) 1.57
- d) 1.73



- a) 3.00
- b) 2.75
- c) 2.50
- d) 2.25

13. The shaded part of this picture shows what numeral or mixed number?



- a) 2
- b) $2\frac{1}{4}$
- c) $2\frac{1}{2}$
- d) $2\frac{6}{8}$

14. Which picture shows $\frac{3}{4}$ shaded?

- a)
- b)
- c)
- d)



15. Shade in $\frac{1}{3}$ of the figure below.



16. Draw a ring around $\frac{3}{4}$ of the footballs.

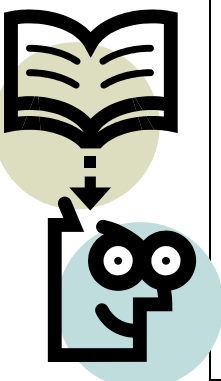


17. Shade in $1\frac{1}{4}$ of the figures.



18. Mrs. Fitzpatrick surveyed her class and found out that $\frac{3}{8}$ of her students like cake. Which of the following also describes this situation?

- a) 12 out of 24 students like cake
- b) 15 out of 25 students like cake.
- c) 9 out of 27 students like cake.
- d) 9 out of 24 students like cake.



19. In one survey, 75 out of 100 people said they saved money every month. Which of the following could this statement be describing? a) $\frac{1}{2}$ of the people saved money. b) $\frac{1}{4}$ of the people saved money. c) $\frac{3}{8}$ of the people saved money. d) $\frac{3}{4}$ of the people saved money.	20. $\frac{29}{8} =$ a) $1\frac{1}{2}$ b) $2\frac{3}{4}$ c) $3\frac{5}{8}$ d) $4\frac{7}{8}$
21. $8\frac{3}{4} =$ a) $\frac{38}{4}$ b) $\frac{35}{4}$ c) $\frac{20}{8}$ d) $\frac{28}{8}$	22. King Kong was 7.31 meters tall. Which best describes his height? a) About $6\frac{1}{2}$ meters tall b) A little more than 6 meters tall c) A little less than 7 meters tall d) Almost $7\frac{1}{2}$ meters tall
23. Zach used $3\frac{5}{8}$ ounces of rubber cement. Which best describes this amount? a) About $2\frac{1}{2}$ ounces b) A little less than 3 ounces c) About $3\frac{1}{2}$ ounces d) A little more than 4 ounces	24. Mr. Glasser earned \$42,859 last year. This number is closest to a) \$41,000 b) \$42,000 c) \$43,000 d) \$44,000
25. A Pacific leatherback turtle weighed 704.2 kilograms. This number is closest to a) 704 b) 705 c) 706 d) 707	26. A snowstorm dropped 12.87 inches of snow on Staten Island in one day. This amount is about a) 11 inches b) 12 inches c) 13 inches d) 14 inches
27. The table below shows the average	28. This chart shows how many pounds of

wind speeds at various US weather stations.

City	Average Speed (mph)
Spokane, WA	8.9
Washington, D.C.	9.4
Chicago, IL	10.4
Hartford, CT	8.4

New York City's average wind speed is greater than Spokane's and less than Washington's. Which could be New York City's average wind speed?

- a) 8.7
- b) 9.3
- c) 9.7
- d) 10.3

strawberries Sue and her friends picked last weekend.

Person	Pounds of Strawberries
Sue	$3\frac{1}{4}$
Tess	$3\frac{5}{8}$
Dana	$2\frac{7}{8}$
Pete	$3\frac{1}{2}$

Who picked the **most** strawberries?

- a) Sue
- b) Tess
- c) Dana
- d) Pete

29. The museum director made the chart below to show the attendance on Saturdays in December.

DATE	ATTENDANCE
Dec. 1	8086
Dec. 8	4299
Dec. 15	3963
Dec. 22	1042
Dec. 29	8795

About how many people attended the museum on a Saturday in December?

- a) 22,000
- b) 26,000
- c) 29,000
- d) 35,000

30. Draw an X on the number line that best represents $\frac{2}{3}$.



31. Kelly's class collected 75 cans every month for 12 months. To find the total number of cans collected, you would

- a) subtract 12 from 75.
- b) add 75 to 12.
- c) multiply 75 by 12.

32. Basketball shoes that normally sell for \$48.99 a pair were on sale for \$39.50 a pair. Which number sentence would you use to find how much less the sale price is?

- a) $\$48.99 + \$39.50 =$
- b) $\$48.99 - \$39.50 =$
- c) $\$48.99 \times \$39.50 =$

d) divide 75 by 12.	d) $\$48.99 \div \$39.50 =$
33. $60 \times 10 =$ a) 600 b) 660 c) 6000 d) 6600	34. $700 \times 10 =$ a) 700 b) 770 c) 7000 d) 7700
35. $80 \div 10 =$ a) 800 b) 100 c) 10 d) 8	36. $300 \div 10 =$ a) 3 b) 30 c) 300 d) 3000
37. $\$8.36 \times 7 =$ a) 58 b) 58.52 c) 5.852 d) 5.08	38. $6 \overline{)924}$ a) 15 b) 15.5 c) 1.54 d) 154
39. $\begin{array}{r} 7\frac{5}{8} \\ -3\frac{1}{8} \\ \hline \end{array}$ a) $4\frac{6}{8}$ b) $4\frac{1}{4}$ c) $4\frac{1}{2}$ d) 4	40. $2\frac{5}{8} + 5\frac{1}{8}$ a) $7\frac{6}{16}$ b) $7\frac{1}{2}$ c) $7\frac{3}{4}$ d) $7\frac{7}{8}$
41. Shelley needs to subtract 27,241 from	42. Mrs. Pieroni bought $4\frac{7}{8}$ pounds of

62,739. Which of the following would be **best** for Shelley to use to **estimate** the difference?

- a) $60,000 - 20,000$
- b) $60,000 - 30,000$
- c) $70,000 - 20,000$
- d) $70,000 - 30,000$

potatoes on Monday and $8\frac{1}{4}$ pounds on Tuesday. Which of the following would be **best** for Mrs. Pieroni to use to **estimate** how many pounds of potatoes she bought?

- a) $4 + 8$
- b) $5 + 8$
- c) $4 + 9$
- d) $5 + 9$

43. Alexandria needs to subtract 5.2 from 9.7. Which of the following would be **best** for Alexandria to use to **estimate** the difference?

- a) $9 - 6$
- b) $9 - 5$
- c) $10 - 5$
- d) $10 - 6$

44. To **estimate** the product of 125 and 812, Alfredo multiplied 100×800 . Will Alfredo's estimate be **more or less** than the actual product?

- a) less, because he rounded both numbers up
- b) less, because he rounded both numbers down
- c) more, because he rounded both numbers up
- d) more, because he rounded both numbers down

45. Barbie bought $4\frac{1}{8}$ pounds of white chocolate and $3\frac{1}{6}$ pounds of milk chocolate. **About** how many pounds of chocolate is that?

- a) a little less than 7
- b) a little more than 7
- c) a little less than 8
- d) a little more than 8

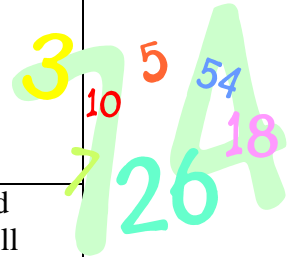
46. The Little League Game ended at 2:45 PM. If the game lasted $3\frac{1}{2}$ hours, at what time did it begin?

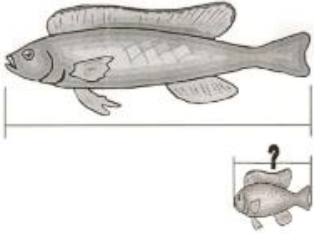


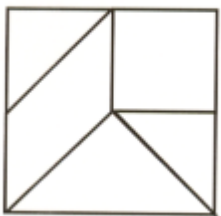

- a) 11:15 AM
- b) 11:45 AM
- c) 12:30 PM
- d) 12:45 PM

47. Mr. Walle drove to New York City. He left at 7:40 AM and arrived at 12:25 PM. How long was the trip?

- a) 3 hours, 15 minutes
- b) $3\frac{1}{2}$ hours
- c) $4\frac{1}{4}$ hours
- d) 4 hours, 45 minutes

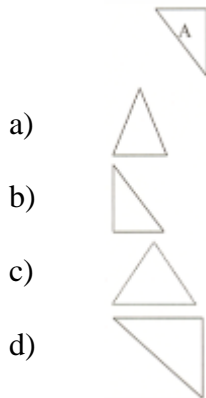
48. If the refrigerator is 60 inches high, **about** how tall is the stool?



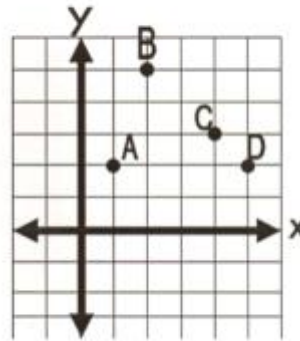
	<p>a) 10 inches b) 25 inches c) 40 inches d) 75 inches</p>
<p>49. If the larger fish is 12 inches long, about how long is the smaller fish?</p>  <p>a) 15 in b) 8 in c) 6 in d) 3 in</p>	<p>50. If the shaded area is 24 square units, about how large is the large white area?</p>  <p>a) 144 square units b) 168 square units c) 192 square units d) 288 square units</p>
 <p>51. What is the best unit to measure the amount of water in a swimming pool?</p> <p>a) gallon b) pint c) quart d) fluid ounce</p>	<p>52. A pole is 520 centimeters tall. How many meters is that?</p> <p>a) 0.52 b) 5.20 c) 52.0 d) 520.0</p>
<p>53. The figure below is made up of which shapes?</p>  <p>a) 3 squares, 1 rectangle, 1 parallelogram, b) 3 triangles, 1 rectangle, 1 rhombus c) 3 triangles, 1 trapezoid, 1 rhombus</p>	<p>54. What shape is formed by these two figures?</p>  <p>a) hexagon b) parallelogram c) rhombus d) trapezoid</p>

d)3 triangles, 1 square, 1 parallelogram

55. Which figure is congruent to figure A below?

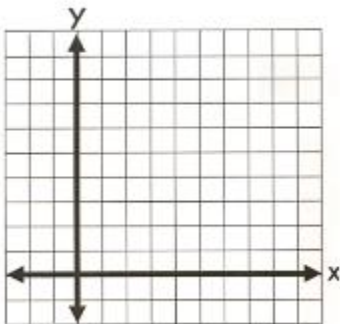


56. What letter is located at (2,5)?



- a) A
- b) B
- c) C
- d) D

57. Write the letter A at point (3,6)



58. The graph shows how many shirts were sold during the week.

SHIRTS ON SALE	
Days	Number of Shirts
Monday	J
Tuesday	J J J
Wednesday	J J J J
Thursday	J J J J J J
Friday	J J

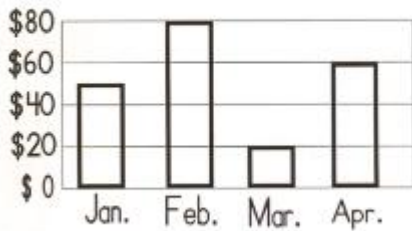
J = 25 Shirts

Which two days sold a total of 225 shirts?

- a) Monday and Wednesday
- b) Tuesday and Friday
- c) Monday and Thursday
- d) Tuesday and Thursday

59. The graph shows how much money the sixth graders made selling school pins. How much money was made altogether?

60. The table shows the number of people living in Connecticut cities.



- a) \$190
- b) \$200
- c) \$210
- d) \$220

City	Number of People
Bristol	60,722
Fairfield	58,407
Hamden	58,626
Meriden	58,962
Manchester	55,390

How many cities have populations **greater** than 58,500?

- a) 2
- b) 3
- c) 4
- d) 5

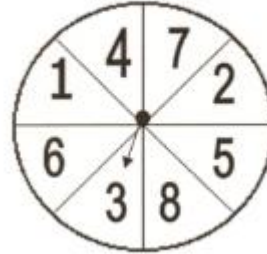
61. Ned made this circle graph to show his parents how he spends his \$10.00 weekly allowance.



Which statement is a **reasonable** conclusion from the data on the graph?

- a) Ned spends more on charity than on food.
- b) Ned spends more on entertainment than on miscellaneous items.
- c) Ned spends less on food than on savings.
- d) Ned spends equal amounts on entertainment and on savings.

62. Tomas and José used the spinner below to play a game. If the arrow lands on an even number, Tomas gets 1 point. José gets 1 point if the arrow lands on an odd number. Is this fair?



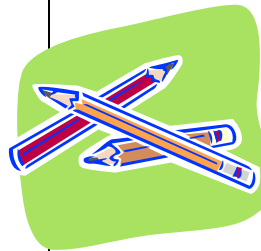
- a) Yes, because José spins first.
- b) No, because the arrow is most likely to land on an even number.
- c) No, because the arrow is most likely to land on an odd number.
- d) Yes, because the probabilities are equal.

63. The chart below shows record auto speeds from 1990. If you picked one of these autos at random, what is the probability that the one chosen would go faster than 700 kilometers per hour?

NAME OF AUTO	SPEED

64. Stacy, Jack, Ann, and Tim have different color hair.

- One has red hair;
- One has brown hair;
- One has blond hair; and
- One has black hair.
- One girl has brown hair.



<p style="text-align: right;">(kilometers per hour)</p> <table> <tr> <td>The Blue Flame</td> <td>1016</td> </tr> <tr> <td>American Spirit</td> <td>988</td> </tr> <tr> <td>Sonic I</td> <td>674</td> </tr> <tr> <td>Mercedes</td> <td>327</td> </tr> </table> <p>a) $\frac{1}{4}$ b) $\frac{1}{2}$ c) $\frac{3}{4}$ d) $\frac{3}{8}$</p>	The Blue Flame	1016	American Spirit	988	Sonic I	674	Mercedes	327	<ul style="list-style-type: none"> • Ann has blond hair. • Tim does not have red hair. <p>Who has black hair?</p> <p>a) Jack b) Ann c) Stacy d) Tim</p>
The Blue Flame	1016								
American Spirit	988								
Sonic I	674								
Mercedes	327								
<p>65. Which number sentence is part of the same family of facts as the number sentence below?</p> <p style="text-align: center;">$456 - \square = 234$</p> <p>a) $456 - 234 = \square$ b) $456 + \square = 234$ c) $234 - \square = 456$ d) $\square + 456 = 234$</p>	<p>66. What is the value of \square in the equation below?</p> <p style="text-align: center;">$\square - 62 = 62$</p> <p>a) 0 b) 1 c) 124 d) 3</p>								
<p>67. Use the clues to figure out the mystery 5-digit number.</p> <ul style="list-style-type: none"> • It is greater than 50,000 and less than 60,000. • The hundreds digit is the largest digit. • It reads the same forwards and backwards. <p>a) 4 5, 6 5 6 b) 5 4, 9 2 0 c) 5 6, 7 6 5 d) 5 8, 1 7 5</p>	<p>68. Andy, Bill, Casey and David raced to the park.</p> <ul style="list-style-type: none"> • Andy arrived after Casey. • Bill got there after David but before Casey <p>Who got to the park first?</p> <p>a) Andy b) Bill c) Casey d) David</p>								

