Rising Grade 2 Summer Math Packet

The problems in this packet are designed to help you review topics from previous mathematics courses that are essential to your success in grade 1. You are expected to bring this completed packet to class on the first day of school. In addition, this packet will count as part of your first-quarter grade. **Upon returning, you will be ASSESSED on the content of this packet**. All content outlined in the packet is grade 1 material. Neatly SHOW YOUR WORK!

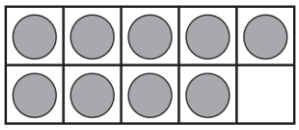
1. Jorge has 6 apples. He needs 9 apples to make fruit salad. How many more apples does Jorge need to buy in order to have 9 in all? Write an equation to tell the story.

____ apples

2. Which two related addition facts can help you solve the subtraction problem?

17 – 9 = ?

- ☐ 9 + 8 = 17
- ☐ 6 + 9 = 15
- ☐ 8 + 9 = 17
- ☐ 8 + 1 = 9
- ☐ 8 + 2 = 10



3. Write two equations that match the picture.

__ + __ = __;

__ + __ = __

4. **A.** Which doubles fact will help you find 5 + 6?

A. 5 + 5 = 10

B. 4 + 4 = 8

C. 7 + 7 = 14

D. 3 + 3 = 9

B. What is the missing number? 5 + 6 = ☐

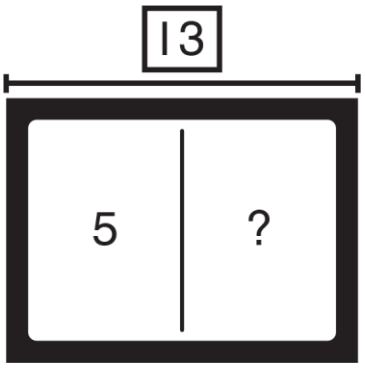
5. 23 is __?__ groups of 10 and 3 left over.

A. 2 **C.** 20
B. 3 **D.** 23

6. Use the open number line. Show how to count on to find 6 + 8.

6 + 8 = ____

7. **A.** What addition fact can help you find the missing part?



A. 5 + 5 = 10

B. 5 + 13 = 18

C. 5 + 8 = 13

D. 5 + 9 = 14

B. Find the missing part.

13 – 5 =____

8. Lisa draws 7 pictures. Then she draws 9 more pictures.

How many pictures does Lisa draw in all?

Solve the problem. Explain the strategy you used.

9. Tell if the equation is **True** or **False**.

16 – 6 = 9 + 2

Explain how you know your answer is correct

10. Use the picture graph to answer the questions.

Garden Flowers						
Rose						
Tulip						

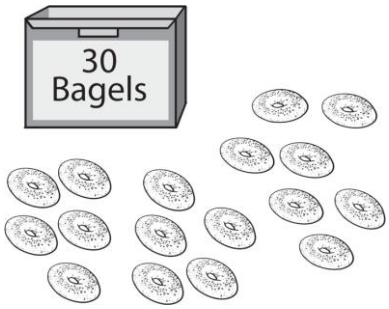
A. Which two of the following statements are true?

- ☐ There are 8 flowers in all.
- ☐ There are 3 more tulips than roses.
- ☐ There are fewer roses than tulips.
- ☐ There are 4 fewer roses than tulips.
- ☐ There are more roses than tulips.

B. How many more roses are needed in order for there to be more roses than tulips?

A. 2 **B.** 3 **C.** 4 **D.** 1

11. There are some bagels in the school lunchroom. 30 of the bagels are in the box. The rest of the bagels are not in the box.



How many bagels are there in all?

Use the picture to solve. Then explain how you know.

12. Marcus counts paper clips by 1s. He counts to 109. Which number will Marcus say next?

A. 108 **C.** 111

B. 110 **D.** 120

13. **A.** Draw a model to show the number 83.

B. Which is a way to write 83?

A. eight and four
B. eighty-four
C. eighty-three
D. eighty

14. Mike, Jamal, and Cara have goldfish as pets. Mike has 6 goldfish. Jamal has 8 goldfish. Cara has 5 goldfish. Mike buys 2 more goldfish. Now how many goldfish do they have in all?

A. 20 **B. 21** **C. 19** **D. 16**

15. **A.** Count by 10s. Write the number.

____ tens and ____ ones is ____.

B. What is another way to write the number shown?

____ tens and ____ ones is ____

16. Ling counts by 10s.

70, 90, 100, 110, 120

Which number does she forget to count?

A. 71
B. 75
C. 80
D. 85

17. Which number is missing?

14 – __?__ = 2 + 7

Explain how you know your answer is correct.**18.** Start at 108. Count on by 1s to 113.

Show your counting on the open number line.

19. Write the missing symbol (+, –, or =) to make the equation true. Use precise math language to explain how you chose the symbol.

14 = 6 + 3 ◯ 5

20. **A.** Which two of these are ways to show seventeen?

- ☐ 17
- ☐ 7 tens and 1 one
- ☐ 17 tens
- ☐ 1 ten and 7 ones
- ☐ 7 tens and 1 one

B. Which equation shows the answer in **A** is correct?

A. 10 + 10 = 20

B. 10 + 7 = 17

C. 15 + 5 = 20

D. 12 + 5 = 17

21. Aaron asks his friends a survey question. The tally chart shows the results.

How many friends took the survey? Write an equation

to show your work. Explain how you know your answer is correct.

____ ◯ ____ ◯ ____ = ____

____ friends

Favorite Vegetable

 Carrots	𝍸 I
 Broccoli	II
 Corn	𝍸

22. Solve the subtraction equation 11 – 9 = ? and then write an addition equation that helped you solve it.

23. Megan has 11 stickers. She uses 4 of them for an art project. Adam has 10 stickers. How many stickers should he use so he has the same number as Megan?

11 – 4 = 10 – ____

____ stickers

24. Keri has 18 walnuts. She uses some of them to make muffins.
Now there are 10 walnuts left.
Write a subtraction equation to show many walnuts Keri uses.

____ – ____ = ____

Keri uses ____ walnuts.

25. Pablo found 2 ways to make 52. Complete the list to show all of the ways. Then draw a model to show one of the ways.

Tens	Ones
5	2
3	22

26. Look at the picture graph.

Classroom Pets

Turtle						
Hamster						

How many fewer hamsters are there than turtles? Use an equation to help explain.

27. Start at 67. Count on by 10s to 117.

Show your counting on the open number line.

28. There are 16 people on a bus. 7 people get off the bus. Omar says there are 9 people left on the bus. Do you **agree** or **not agree** with Omar's thinking? Use pictures, words, or equations to explain.

Agree **Not Agree**

29. What is 10 less than 52? Write an addition equation that helps you solve it.

30. Choose the correct number to complete the equation.

_?_ + 30 = 70

A 20 **C** 40

B 30 **D** 50

31. Use the part of the hundred chart to subtract. Choose the possible explanation for how to find

70 – 30.

31	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**
41	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**
51	**52**	**53**	**54**	**55**	**56**	**57**	**58**	**59**	**60**
61	**62**	**63**	**64**	**65**	**66**	**67**	**68**	**69**	**70**
71	**72**	**73**	**74**	**75**	**76**	**77**	**78**	**79**	**80**

A Start at 70. Move three places to the left.

B Start at 70. Move 3 rows up.

C Start at 70. Move 3 places to the right.

D Start at 70. Move 1 row down.

32. Which could **NOT** be used to find the length of the pencil?

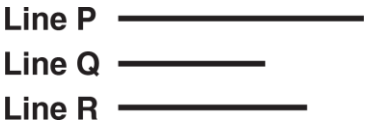
A string **C** connecting cubes

B paper clips **D** balance scale

33. Use the open number line to add. Show your work.

50 + 35 = ____

34. Which word describes Line P?



A shortest

B longest

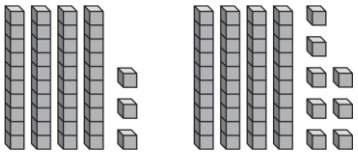
C smallest

D middle

35. Look at the place-value blocks. Write the numbers to make the sentences true. Explain how you know which number is greater.

____ is greater than ____

____ is less than ____



36. Use mental math to solve.

87 – 10 = ____

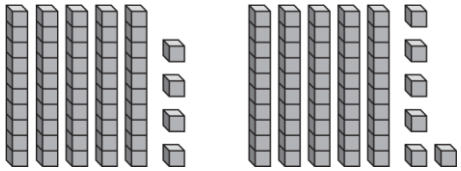
87 + 10 = ____

37. Solve 50 + 30 = ?. Then write a different equation that is also equal to your answer.

_____

_____

38. Which statements correctly compare the place-value blocks? Choose two statements.



- ☐ 56 < 54
- ☐ 54 < 56
- ☐ 54 = 56
- ☐ 56 > 54
- ☐ 56 > 55

39. The model shows 8 + 85. Is the model correct? Explain how you know.

40. Juan and Lara play a video game. Juan's score is 78. Lara's score is less than Juan's score. What could Lara's score be?

A 77 **C** 79

B 78 **D** 80

41. Brian has 80 sports cards. He gives 60 sports cards to a friend. How many sports cards does Brian have left? Write an equation to solve. Use drawings or models to show your work.

42. Abby wants to find the length of a stapler with a ruler. Where should she put the zero point of the ruler?

_____

_____

_____

43. Some students are on a school bus. There are 9 boys on the bus. There are 17 students on the bus in all. How many girls are on the bus? What strategy can help you find the solution?

A 6; making 10

B 8; counting on

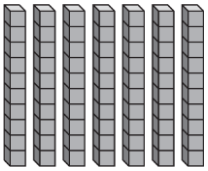
C 8; a doubles-plus-1 fact

D 26; counting on

44. Debra has 4 red markers and 7 blue markers. She also has 8 black markers. Which of these does **NOT** show how many markers Debra has in all?

A 7 + 8 + 4 = ?
B 4 + 7 + 8 = ?
C 4 + 7 – 8 = ?
D 4 + 8 + 7 = ?

45. Use the place-value blocks. Find the difference. Explain.



70 – 40 = ____

A 40; I crossed off 30 place-value blocks.
B 30; I crossed off 40 place-value blocks.
C 20; I crossed off 40 place-value blocks.
D 10; I crossed off 50 place-value blocks.

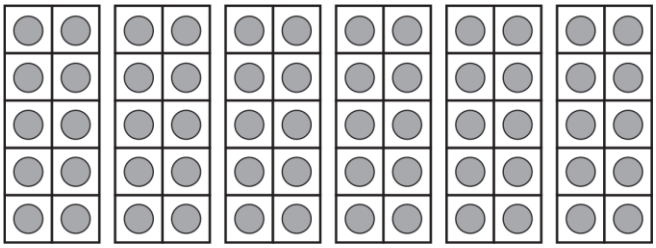
46. Find 46 + 15. Use place-value blocks if needed.

46 + 15 = ____

Can you make a 10? Explain.

Circle **Yes** or **No**. **Yes** **No**

47. Count by 10s. What number is shown? Write the number 3 different ways.



____ tens

number: ____

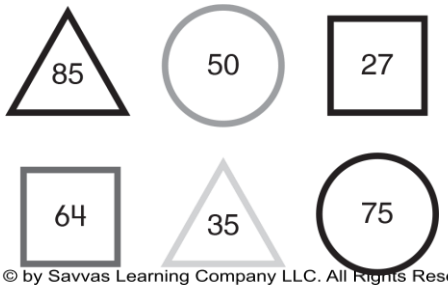
word name: ____

48. Use the clues to find the secret numbers from the choices on the right.

I am less than 52. What numbers could I be?

_____

I have a 5 in the ones place.



What number am I? ____

49. How can Carlos use straws to measure the snake as is? Explain.

50. Which shape has 6 sides? Name the shape.

A  ; triangle

B  ; trapezoid

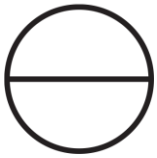
C  ; hexagon

D  ; square

51. Which shape is divided into halves?

A 

B 

C 

D 

52. Write the time that is shown on the clock face.

53. How many square faces and vertices does a cube have?

_____ square faces
_____ vertices

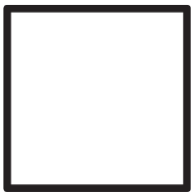
54. Evan walks his dog after 8 o'clock and before 12 o'clock every Saturday morning. Which clock shows the time Evan might walk his dog? Choose two.

☐ ☐ ☐ ☐ ☐

55. Melissa makes 4 triangles. Then she puts them together to make a new shape.

Draw a shape that Melissa could make.

56. Divide the square into fourths. Then color one fourth of the square. Explain how you know that you colored the right amount.



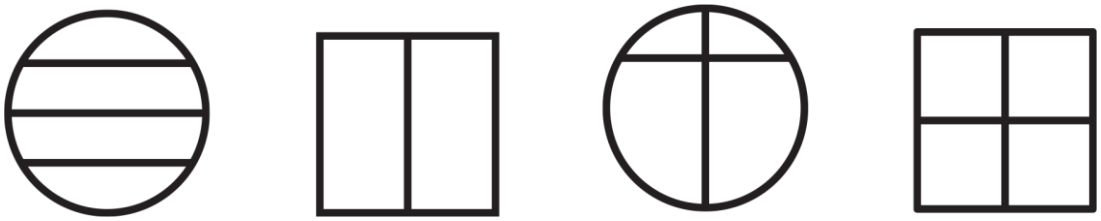
_____

_____

57. Which 3-D shape does **NOT** have a flat surface?

AB **C** **D**

58. Which shape shows 4 equal shares?



AB **C** **D**

59. Which is another way to say 60 minutes?

A half hour
B one hour
C two hours
D one day

60. How many  does Lucas need to make a  ?

___ 

61. Draw hands on the clock to show the time that Snack Time starts.

62. Compare the two shapes. Circle the words that describe the equal shares.

quarters smaller equal shares

halves larger equal shares

quarters smaller equal shares

halves larger equal shares

Saturday Schedule	
Time	**Activity**
8:00	Breakfast
9:00	Soccer Practice
10:30	Snack Time
12:30	Lunch
2:00	Movie

63. Complete the sentence. Then explain how you know you are correct.

This 3-D shape is a _____.