

Summer Math Reinforcement Packet Students Entering into 1st Grade

Your kindergarteners had a busy year learning new math skills. **Mastery of all these skills is extremely important in order to develop a solid math foundation.** The first grade math program will **add onto these kindergarten skills**, so any time spent learning or reinforcing these concepts will be very beneficial for your child. Each year builds upon the previous year's skills in math. Any areas your child has difficulty with, you may want to give them additional practice.

Student mastery of the basic math skills is as important to success in future mathematical procedures and reasoning as learning the alphabet is to reading and writing.

Have your child complete one page two times a week of the math packet. Please return this completed packet in September to the first grade teacher. Your child will receive a prize and certificate for completing the packet. The biggest prize of all is being ready for first grade!

After your child has completed the math problems and you feel your child is still struggling on a certain concept and needs further practice, you can have your child play games on some of the web sites listed on the next page, play games or make up additional problems of your own for additional practice.

Enjoy your summer!!

GRADE LEVEL EXPECTATIONS IN MATHEMATICS

When entering first grade this is what your child should already know.

1. Read and write the numbers up to 30. Can count objects up to 30.
2. Orally can count to 100. Can count by 5's and 10's to 100.
3. Orally can count to 100 by 2's.
4. Can use the phrase "more than", "same as", and "less than" when comparing 2 numbers from 1 – 30.
Example: 19 is less than 20. 21 is more than 20.
5. Add and subtract numbers from 1 to 10. Can write $2 + 5 = 7$ and $7 - 2 = 5$.
6. Know and use common words for the parts of the day and relative time.
Example: morning, afternoon, evening, yesterday, tomorrow, last week, next year.
7. Identify tools that tell time. Clocks measure hours and minutes, calendars measure days, weeks and months.
8. Identify daily landmark times to the nearest hour. Example: breakfast is 8 o'clock in the morning, lunchtime is 12 o'clock, and bedtime is 8 o'clock in the evening.
9. Compare two or more objects by length or weight. Which is shorter, longer, taller, smaller, lighter, or heavier?
10. Familiar with three-dimensional objects. Ball/sphere, box/cube, soup can/cylinder, ice cream cone/cone.
11. Identify, sort and classify objects. Sort items by color, size, shape, etc.
12. Can continue a pattern of 3 to 4 different objects. For example:
Red Blue Yellow Red Blue Yellow Red Blue Yellow
13. Know the different coin values: dime = 10 cents, nickel = 5 cents, penny = 1 cent, quarter = 25 cents.

Excellent websites for fun learning and reinforcement of math skills:

www.aplusmath.com go under “Flashcards” or ”Game Room” on the left side of the screen. They can practice adding and subtracting.

www.mathisfun.com Select Numbers then scroll down the page and select “Ordering Numbers” or “Counting” or “Skip Counting” Back at home screen select games and pick a game to play.

www.illuminations.nctm.org Select activities then select grade level. Click on Search.

www.internet4classrooms.com Click on first picture “Grade Level Help for Kindergarten thru 8th grade” Then click on “Kindergarten Skill Builders” in center, then click on “Interactive Mathematics Skill Builders” it’s the second picture. Select any game.

www.aaamath.com At the top pick “Kindergarten” or “First Grade” for a challenge. Choose any of the activities then select “play” option.

www.funbrain.com Lots of fun games to choose from.

Other games and activities you can play:

- Have them write their numbers in sidewalk chalk.
- Number Dot to Dot books.
- Write the numbers 1 – 50 or to 100 on index cards or pieces of paper. One number on each card.
- You can play war. Divide cards up evening among all players. Cards are face down. Each player turns over their top card. Highest number takes all the cards. Keep playing until you are through all cards. Person with the most cards wins.
- Have all cards face down. Select 3 cards and put them in order from least to greatest or you can do largest to smallest.
- Pick an object. Have them find another object that is lighter, heavier, smaller, taller or longer
- Use colorful cereal or buttons. You start a pattern and have them finish it. For example you pick a red piece of cereal then yellow, green, red, yellow and have them select the next color. You can use anything in the kitchen to sort by color or shapes. Use different cereal or cracker shapes. You start a pattern and have them select the next couple pieces.
- When receiving change at a store. Hand your child a coin and ask them its name and value. OR Hide a few different coins around the room. Have them go find the quarters. Or find coin that is worth 10 cents.
- Take a deck of cards and remove the face cards (kings, queens, jacks). All aces are one. Divide the cards evenly among 2 or 3 players. Each player will turn over 2 cards. Using those 2 cards each player needs to make the smallest number and then read the number made. For example you have a 5 and 2 card. You can make the number 25, and they have to say the number. Player with the smallest number takes all the cards. Player with the most cards wins. You can play a largest number version game also.

Entering First Grade Summer Math Packet

Name: _____

I have checked the work completed: _____
Parent signature

1. Fill in the missing numbers:

1		3		5	6			9	10
		13	14		16		18	19	
	22			25		27			30

2. Skip count by 2's: 2, 4, _____, _____, _____, _____, _____.

3. Skip count by 5's: 5, 10, _____, _____, _____, _____, _____.

4. Fill in the missing numbers:

_____, 11, _____

_____, 9, _____

8, 9, _____

10, _____, 12

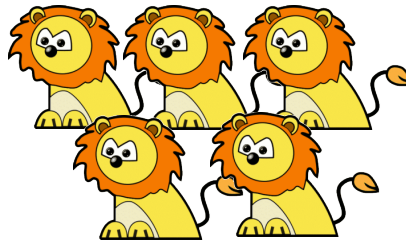
_____, 10, _____

_____, 6, _____

5. Circle the group that has more.



6. Circle the group that has less.



7. List the value of each coin.



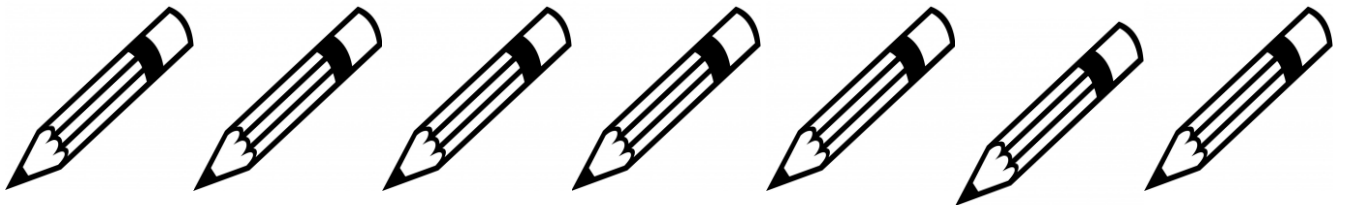
8. Fill in the missing numbers. Skip count by 5's.

10					60				100
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9. Write these numbers from smallest to largest: 13,16,23,and 7.

_____ , _____ , _____ , _____

10. Color in the last 5 pictures.



11. Color in the first 7 pictures.



12. Color in the 5 middle pictures.



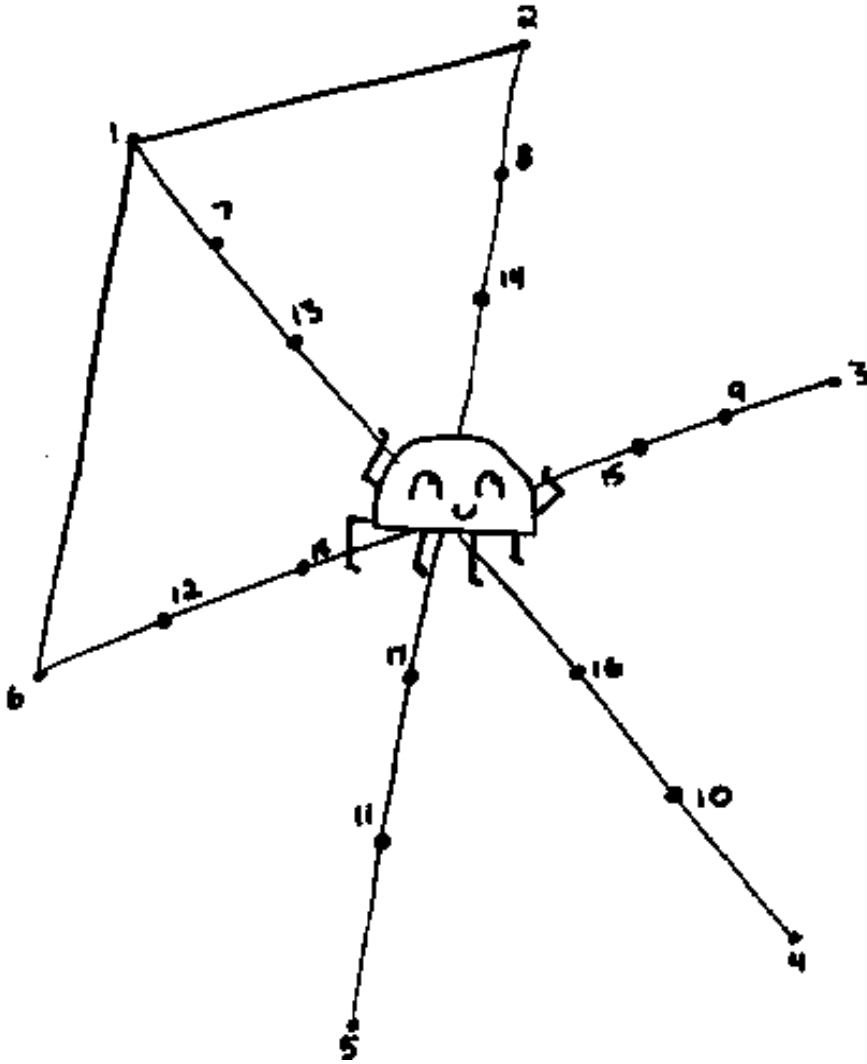
13. Find the sum.

$$\begin{array}{c} 3 \\ \text{[3 rabbits]} \end{array} + \begin{array}{c} 3 \\ \text{[3 rabbits]} \end{array} = \boxed{}$$

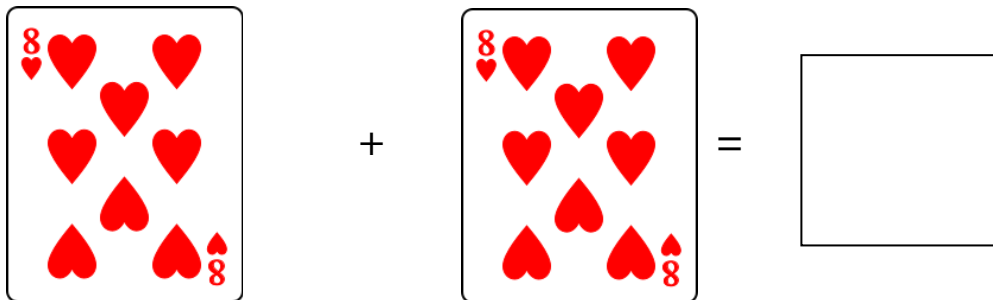
14. Find the sum.

$$\begin{array}{c} 8 \\ \text{[8 gingerbread men]} \end{array} + \begin{array}{c} 5 \\ \text{[5 gingerbread men]} \end{array} = \boxed{}$$

15. Complete dot-to-dot.



16. Find the sum.



17. Draw the hands on the clock.

9:00



18. Count to 50 to someone else in your family.

19. Draw the hands on the clock.

4:00



20. Which number is one more than 13?

- A. 12
- B. 14
- C. 15

21. Which number is one less than 8?

- A. 9
- B. 7
- C. 6

22. Fill in the missing numbers.

1		3		5	6			9	10
11		13	14		16		18	19	
	22		24	25		27			30
31			34	35		37		39	
	42	43		45	46		48		50
51	52		54		56			59	
	62	63	64		66	67	68		70
		73		75		77	78		80
81	82		84	85	86	87		89	
	92		94		96		98	99	

23. Look at the chart you completed in 22. Now count by 5's and color those numbers in orange.

24. Look at the chart you completed in 22. Now count by 2's and color those numbers in yellow.

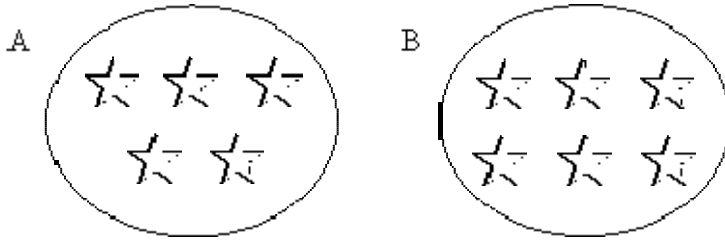
25. If today is Sunday what day was yesterday?

Saturday

Monday

Tuesday

26. Circle the group that has more stars.



27. Fill in the blanks. Count by 5's.

5		15			30				
55					80			95	100

28. What part of the day would you come to school in 1st grade?

- A. Morning
- B. Evening
- C. Noon

29. What part of the day do you go to bed?

- A. Morning
- B. Evening
- C. Noon

30. Which tool would you use for telling time?

- A. Ruler
- B. Scale
- C. Clock

31. What does a clock show you?

- A. What day it is such as Monday or Wednesday
- B. What month it is such as January or May
- C. What time it is such as 9:00 or 3:00

32. Who is taller; a teacher or a first grader?

- A. teacher
- B. first grader

33. Fill in the blanks.

11, 12, _____, _____, 15, 16, _____, 18, _____

34. 1 dime is equal to:

- A. 1 cent
- B. 5 cents
- C. 10 cents

35. Write these numbers from smallest to largest; 6, 12, 2, 15

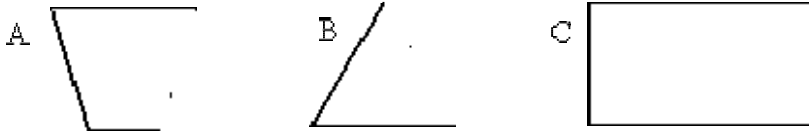
_____, _____, _____, _____

36. How much money is this?



- A. 3 cents
- B. 15 cents
- C. 30 cents

37. Complete each shape and circle the rectangle.



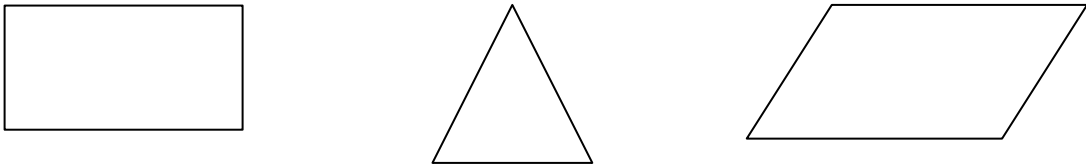
38. What part of the day comes after lunch?

- A. Morning
- B. Afternoon
- C. Evening

39. While holding a clock, the teacher says, “What is this object? What is it used for?”

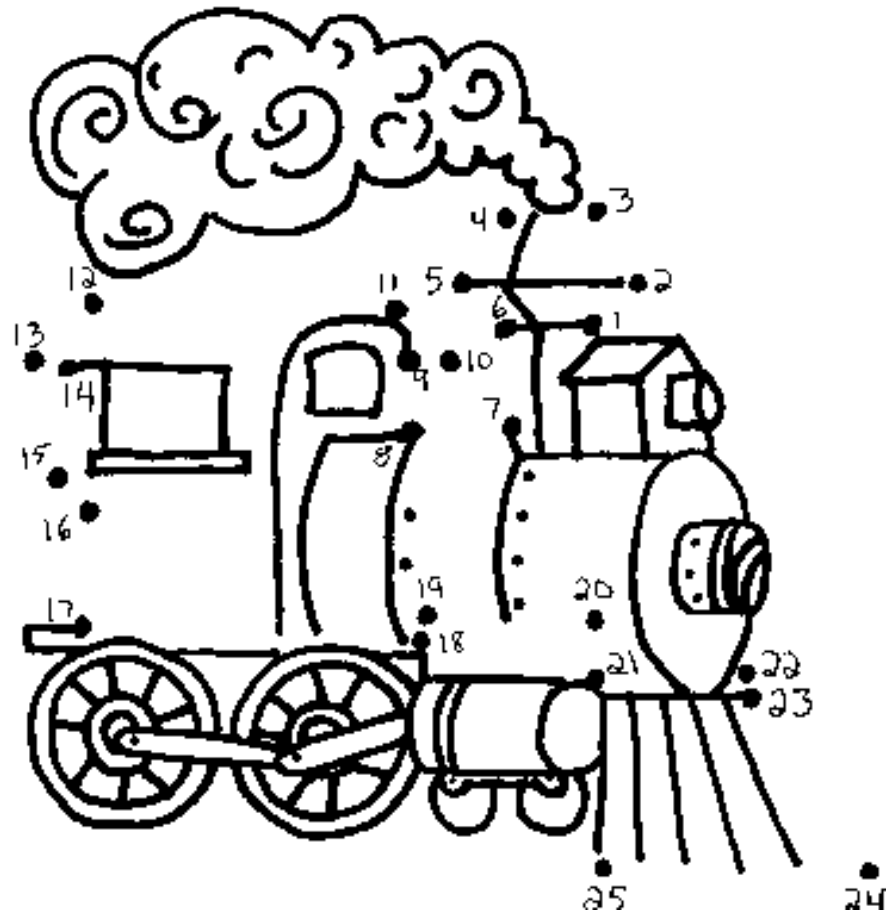
- A. Clock, for telling time
- B. Calendar, for finding the date

40. Which object is not like the others? How is it different?

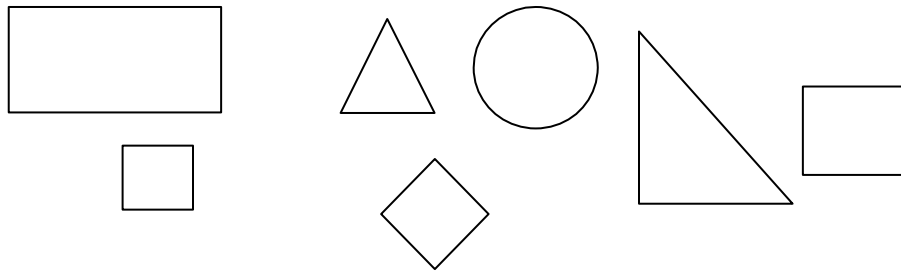


- D. The rectangle is different because it has two long sides.
- E. The triangle is different because it has three sides.
- F. The parallelogram is different because it has slanted sides.

41. Complete the dot-to-dot



42. Place an **X** on the geometric shape does not belong in this group?



43. What shape is the tool below?



- A. A square
- B. A rectangle
- C. A triangle

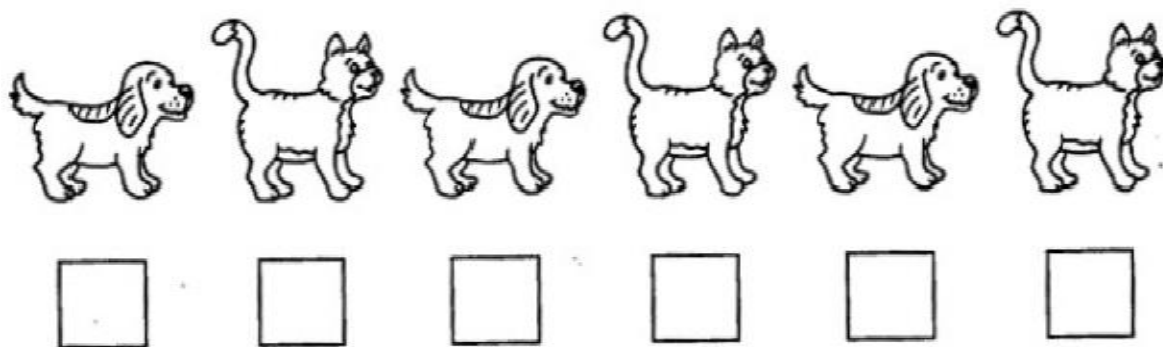
44. What shape would most likely be a refrigerator?

- A. Sphere
- B. Cone
- C. Prism

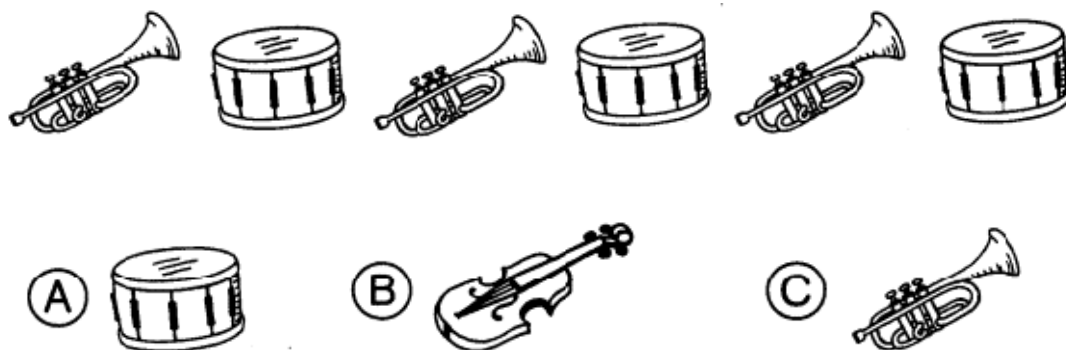
45.

$$3 \begin{array}{c} \text{cupcake} \\ \text{cupcake} \\ \text{cupcake} \end{array} + 2 \begin{array}{c} \text{cupcake} \\ \text{cupcake} \end{array} = \boxed{}$$

46. Show this pattern in another way by coloring the squares.



47. Circle the picture that comes next in the pattern.



48. If today is Wednesday, tomorrow is

- A. Tuesday
- B. Thursday
- C. Friday

49. If today is Tuesday, yesterday is

- A. Sunday
- B. Monday
- C. Wednesday

50. Circle the item that is heavier

- A. Kleenex Box
- B. Toy Box

51. Circle the item that is lighter

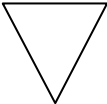
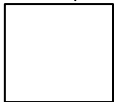
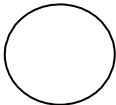
- A. Paper Clip
- B. Can of Soup

52. What is the shape of a penny or dime?

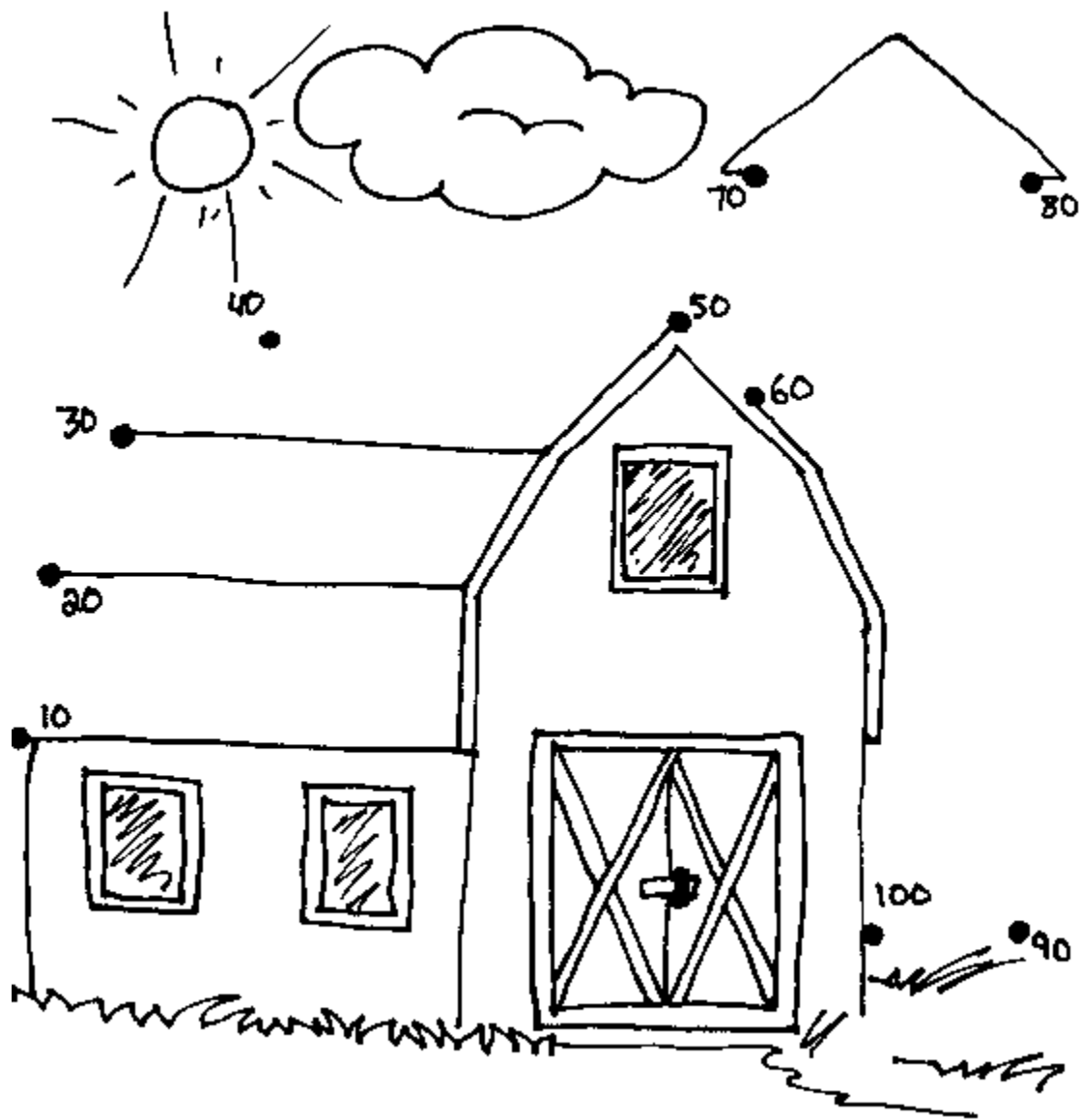
- A. a circle
- B. a square
- C. an oval

53. Which shape comes next in this pattern?



- a.  Triangle
- b.  Square
- c.  Circle

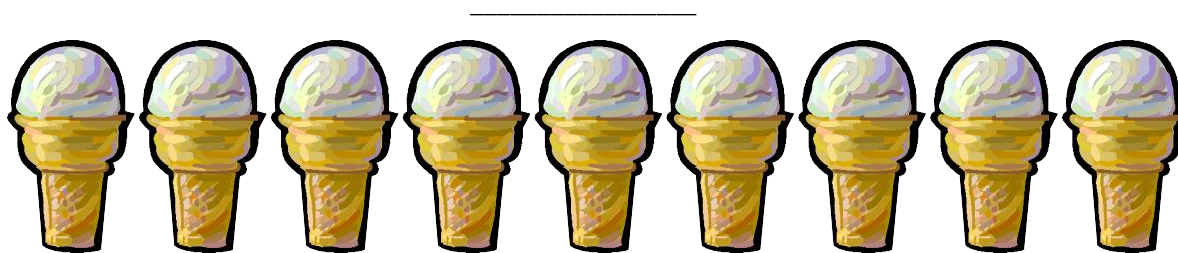
54. Count by 10's



55. What is longer a kitchen table or a pencil? Circle one

- a. Kitchen table
- b. Pencil

56. Mrs. Horne buys 9 ice cream cones and gave away 3. How many are left? Cross out the ones given away.



57. Mrs. Horne buys 7 lollipops and drops 2. How many does she have left? Cross out the ones dropped.

_____ lollipops left



58. Circle the larger number of the two.

9 7 11 8 60 59

19 31 17 21 13 11

41 39 35 45 28 31

44 30 20 19 14 24

59. Draw a line from the number to the number word.

1

seven

2

three

3

one

4

nine

5

two

6

ten

7

eight

8

six

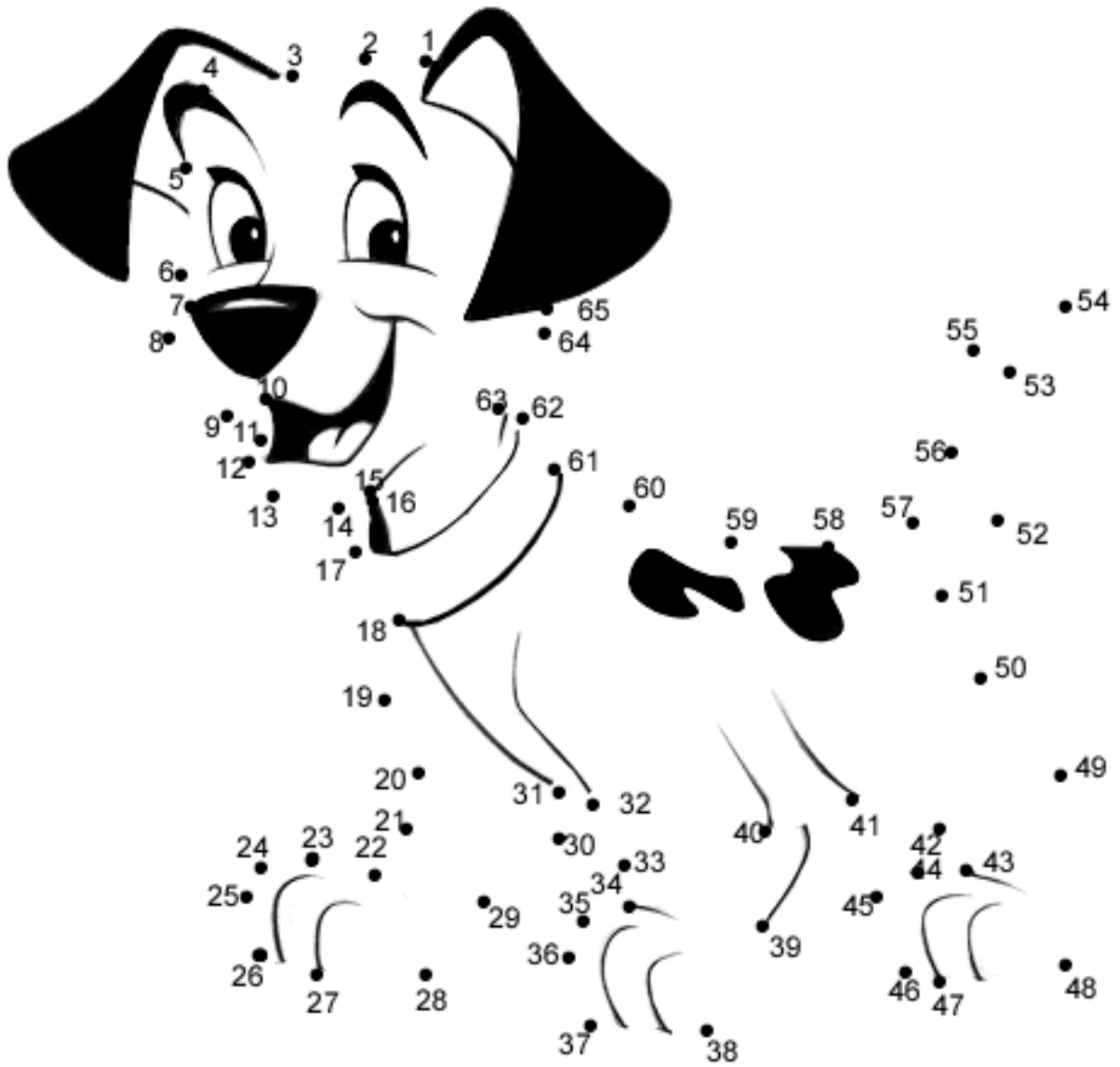
9

five

10

four

60. Connect the dots 1 to 65.



61. Fill in the blanks.

Before

After

Between

_____15

8_____

9_____11

_____20

29 _____

14 _____16

_____23

17 _____

12 _____14

62. If yesterday is Sunday, today is _____.

A. Saturday

B. Monday

63. If tomorrow is Friday, today is

A. Thursday

B. Saturday

Congratulations!! You have completed the summer math packet. Turn this into your 1st grade teacher to receive your prize.



