

Grade 1 CRT

No calculators

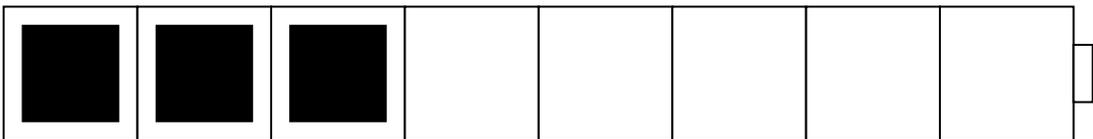
Section A: Paper and pencil examination

1. There is a row of chairs. Tanya is sitting in the first chair. Joe will sit in the fifth chair. Circle the chair Joe will sit in.



2-4

Here is a picture of a cube train with 8 cubes, 3 black and 5 white.



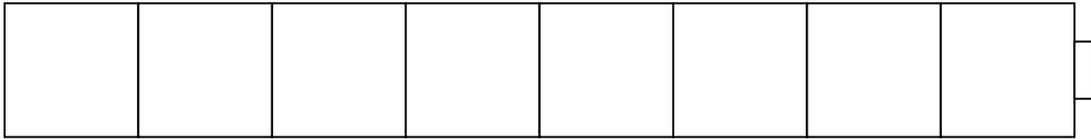
This train can be described with a number sentence

$$3 + 5 = 8$$

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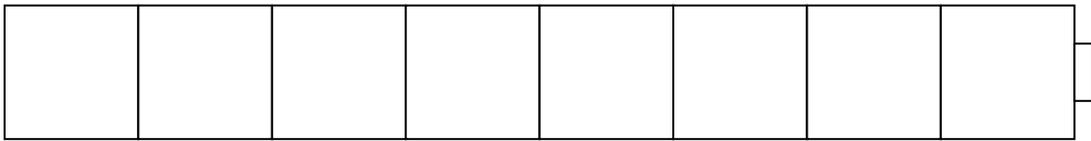
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2. Color in the train below with 1 black and 7 white cubes.



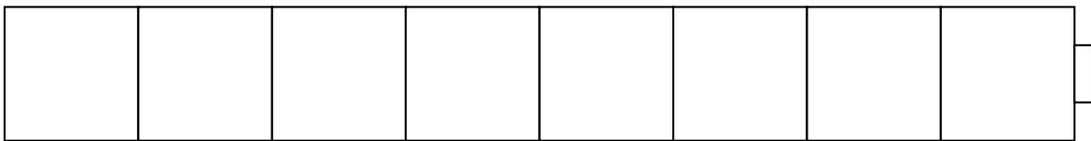
Write a number sentence that describes the train.

3. Color in the train below with all 8 cubes the same color.



Write a number sentence that describes the train.

4. Choose 7 of your cubes. Make a cube train with them.
Color in the train below.



Write a number sentence that describes the train.

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A number sentence is shown below.

$$\begin{array}{ccccccccc} \underbrace{\text{😊😊}}_{2} & + & \underbrace{\text{😊😊😊}}_{3} & = & \underbrace{\text{😊😊😊😊😊}}_{5} \end{array}$$

Complete the 3 number sentences below, so that each one is different.

5. _____ + _____ = 5

6. _____ + _____ = 5

7. _____ + _____ = 5

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- 8a. Circle all the problems with answers that are less than 8.

$$\begin{array}{r} 5 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +7 \\ \hline \end{array}$$

- 8b. Circle all the problems with answers that are less than 3.

$$\begin{array}{r} 9 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$$

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Use the number chart to help you answer questions 9-12.

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
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
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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9. What numbers come next?

2, 4, 6, _____ , _____

10. What numbers come next?

1, 3, 5, _____ , _____

11. What numbers come next?

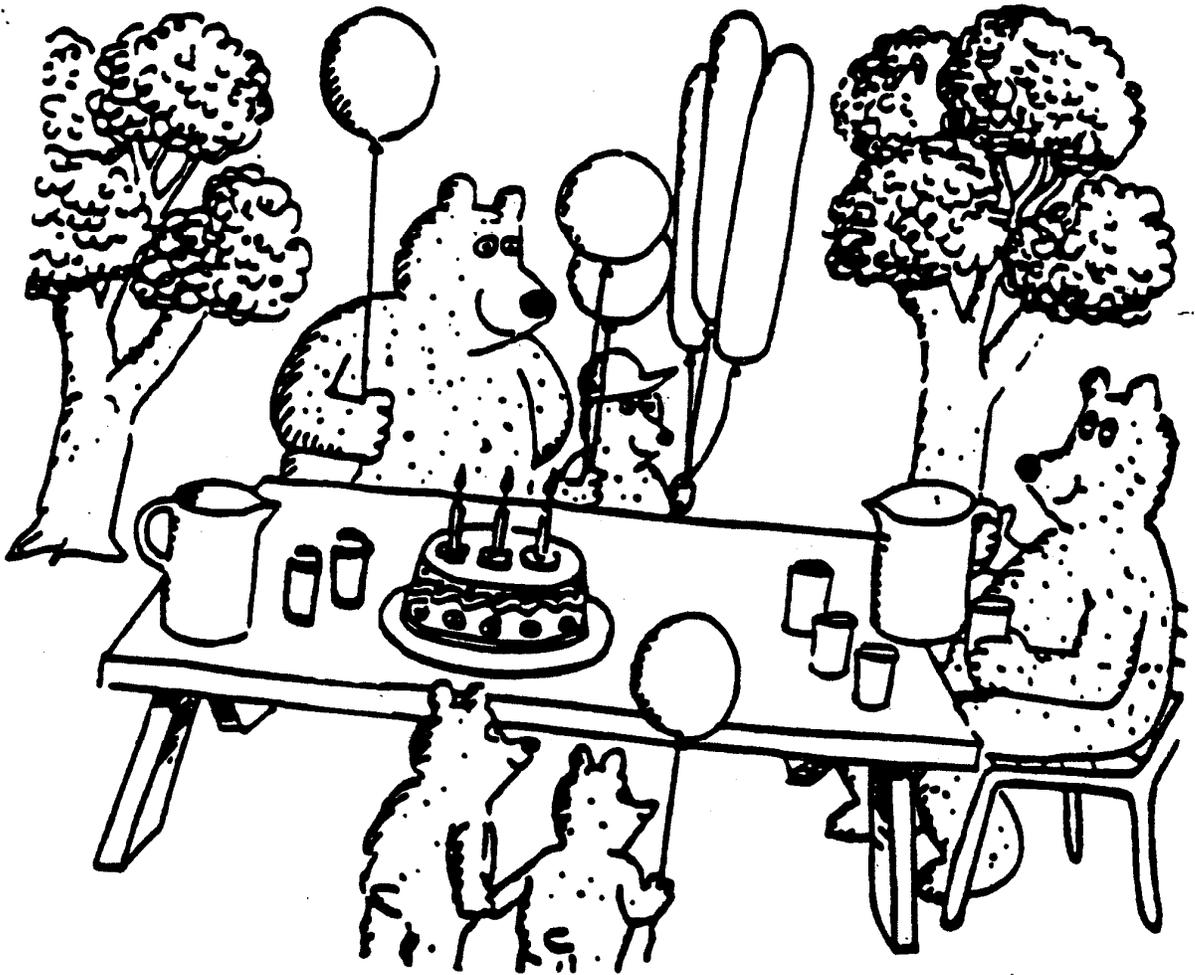
9, 19, 29, 39, _____ , _____

12. What numbers come next?

58, 57, 56, _____ , _____

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Look at the picture. There are lots of things in the picture. Think about what you see. Think about how many you see.



13. Put an "X" on each bear in the picture. How many bears are there?

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14. Circle each cup on the table. How many cups are there on the table?

15. What are there exactly three of?

16. What are there exactly two of?

17. Can each bear have at least one balloon?

18. If each bear drinks two cups of juice, how many cups of juice do all the bears drink?

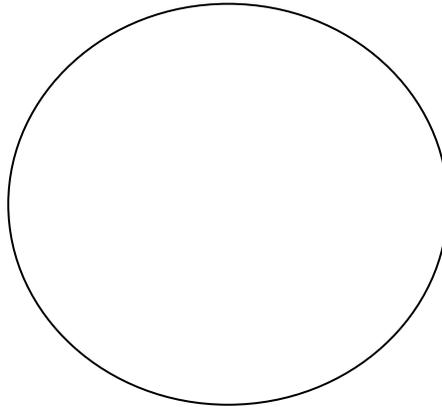
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19. Jill has 4 dogs.
Alonzo has 1 more dog than Jill.
Rosa has 1 more dog than Alonzo.
How many dogs does Rosa have?

20-21

Color one half of each shape.

20.



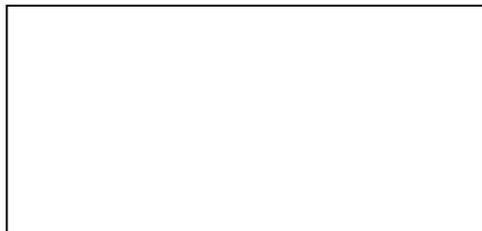
21.



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22. Show two ways to divide this figure into two equal parts.



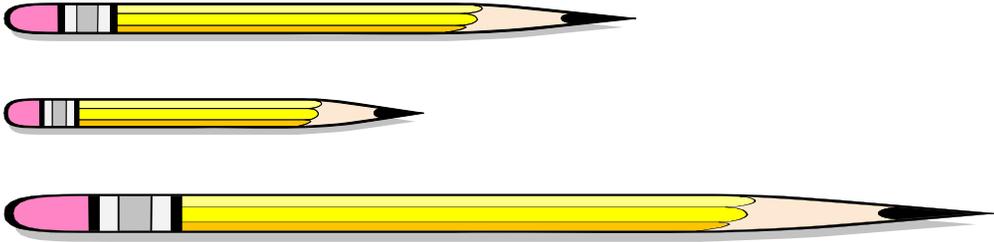
23. Follow these directions.

- a. Draw a rectangle.
- b. Draw a square on top of the rectangle.
- c. Draw a triangle on the bottom of the rectangle.

Draw here:

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24.



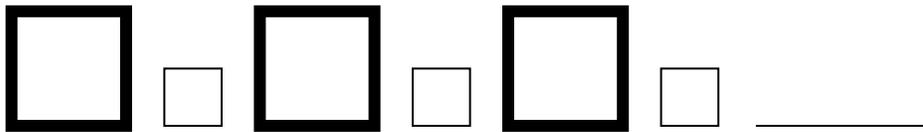
a. Circle the longest pencil.

b. Put an **X** on the shortest pencil.

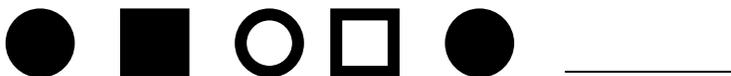
25. What comes next in the pattern? Draw it.



26. What comes next in the pattern? Draw it.



27. What comes next in the pattern? Draw it.



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28. Finish this story. Fill in the blanks with numbers so the story makes sense.

There were 8 birds on a fence.

There was a loud noise, so _____ birds flew away.

There were _____ birds left on the fence.

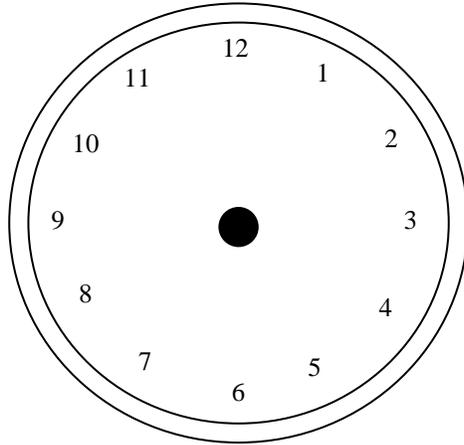
Draw a picture to show your story.

29. Ben found 5 pencils and 3 scissors in his desk. Then he found 4 more pencils.

How many pencils did he find?

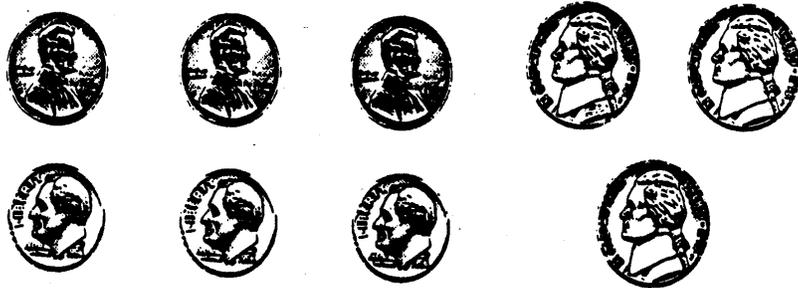
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30. Draw the hands on the clock to show four o'clock.



31. A toy boat costs 12¢.

31A. Show one way you could pay for the boat by putting an "X" on each coin you would use.



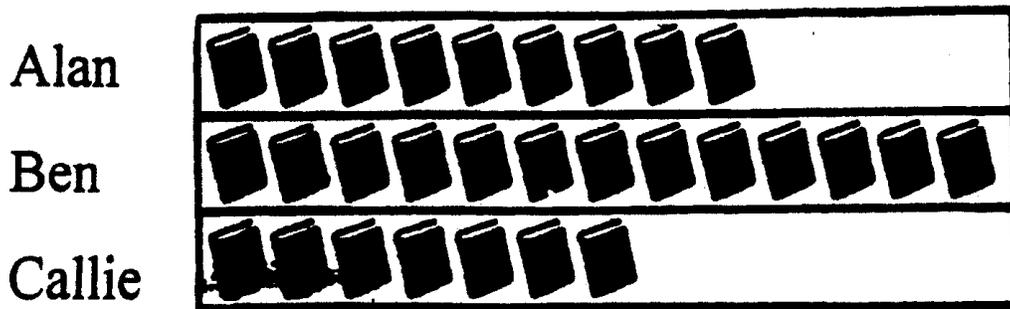
31B. Show another way. Put an "X" on the coins.



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32.

Books Read in November



 means 1 book.

How many books did Alan read in November?

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33-36

Use the calendar below to answer the questions that follow.

APRIL

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		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			

33. What day of the week does April 10 fall on?

34. How many Saturdays are in April?

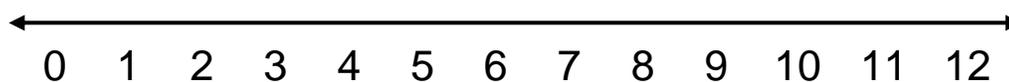
35. What is the last day of April?

36. One day before April 9 is April _____

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37. Use the number line below to answer the questions that follow.



37a. Put an **X** on a number between 5 and 9.

37b. **Circle** a number greater than 10.

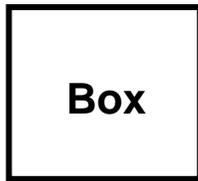
37c. Put a **box** around a number smaller than 6.

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38-39

Jed has lots of boxes he is trying to fit on a shelf.

Use one box to estimate how many will fit on each of the lines below.



38.



About _____ boxes.

39.



About _____ boxes.

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40-45

Your class runs the school store.

School Store Prices			
Pencil	2¢	Pen	5¢
Ruler	7¢	Eraser	3¢

40. How much will it cost to buy a pencil and an eraser?

41. How much will it cost to buy a ruler and a pencil?

42. How much will it cost to buy 2 pencils and 1 pen?

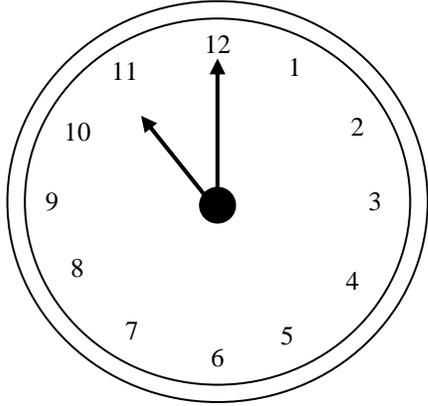
43. How much more does a pen cost than a pencil?

44. How much more does a ruler cost than an eraser?

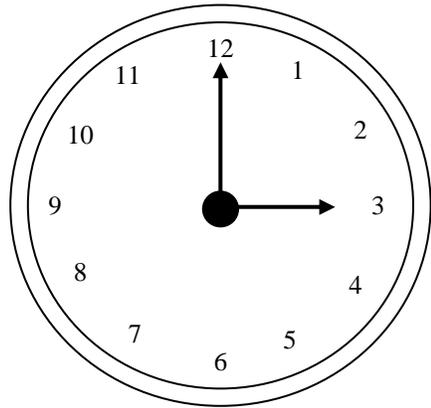
45. You have a nickel and two pennies. What can you buy at the store that uses all the money you have?

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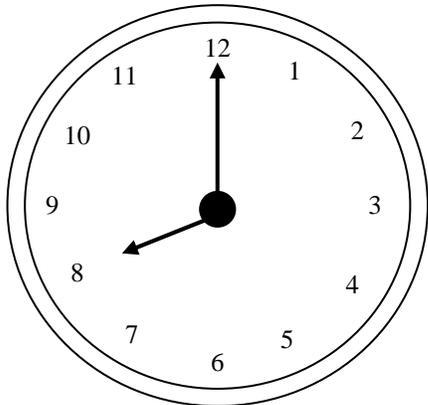
46. Match each clock face to the time.



3:00

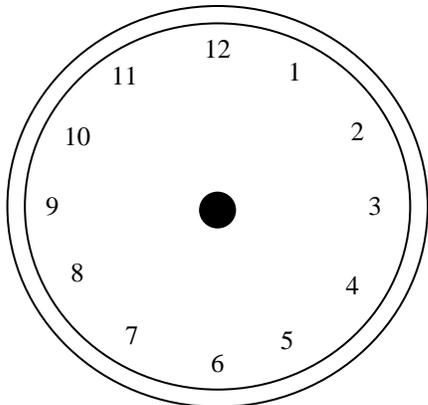


8:00

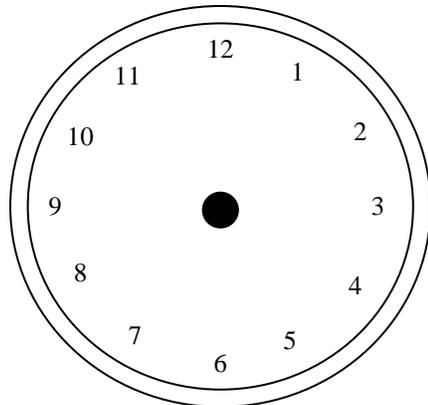


11:00

47. Draw on the clock face to show the time.



5:00



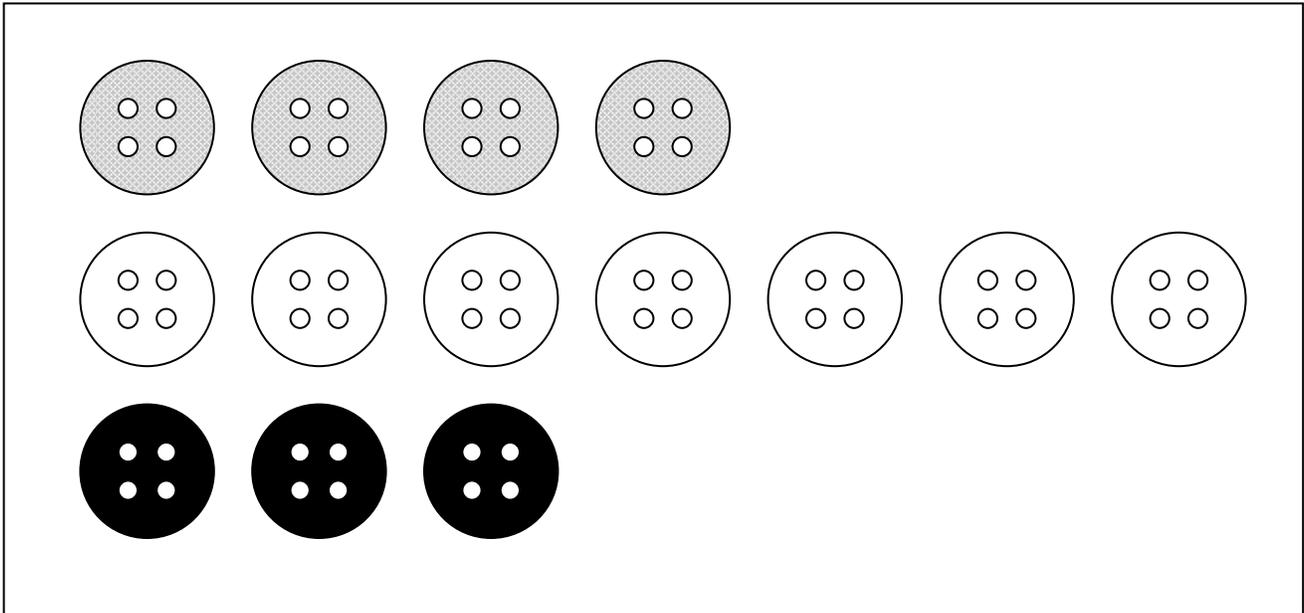
10:00

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48. Use the number 10.
Write an addition story problem that has the number 10
for the answer.

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49. Button Graph

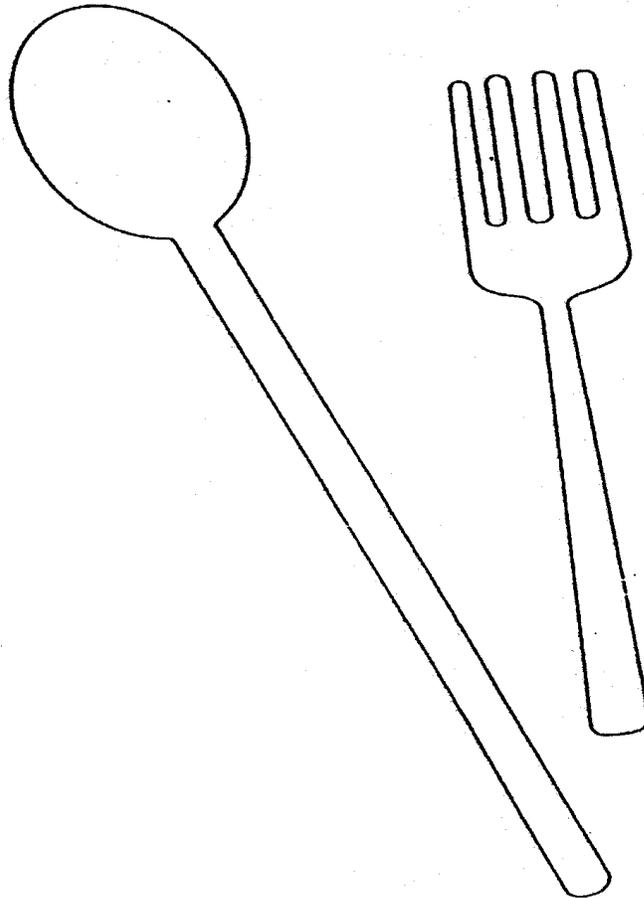


1. How many black buttons? _____
2. How many gray buttons? _____
3. Which has more buttons, gray or white? _____
4. How many more white buttons than black buttons?

5. Tell something else about the graph. _____

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50. Find some paper clips.
Estimate how many to measure the fork. _____ .
Measure _____ .
Estimate how many to measure the spoon. _____ .
Measure _____ .

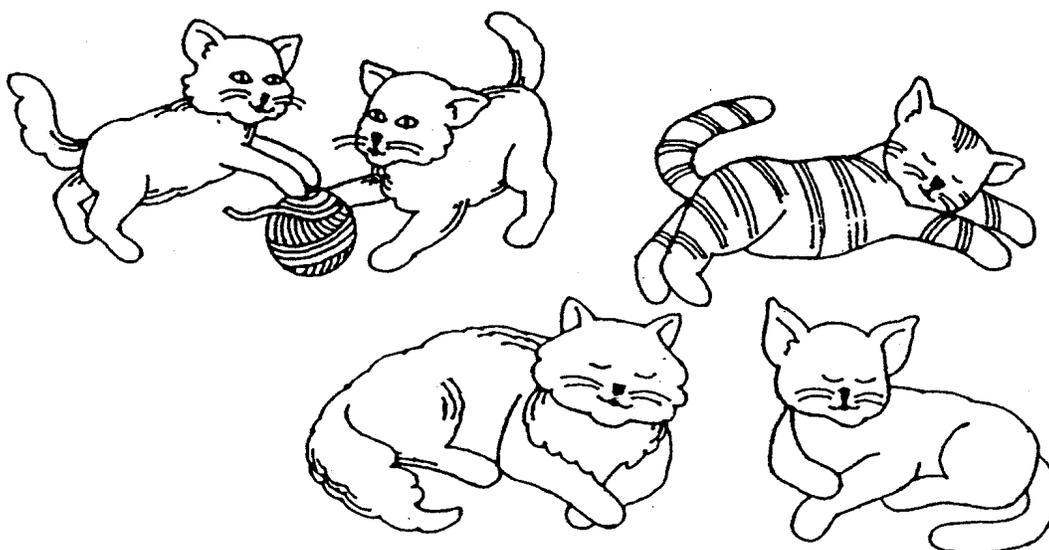


Tell how many more paper clips you used to measure the spoon. _____ .

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51. Write a subtraction number story about these cats. Tell where each number came from.



52. Write another story problem about the cats. Give it to a friend to solve.

Section B:

Interview students & record responses of students.

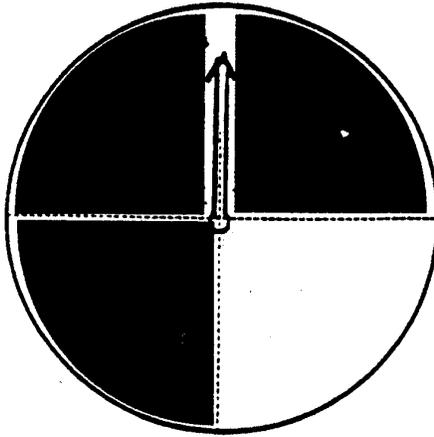
B1. There are 5 cats on a fence. There are 3 cats in the tree. Jeff says there are 2 cats in all. Kate says there are 8 cats in all.

a. Who is right? _____

b. How do you know? _____

Section B:

B2. You have a spinner with four equal sections. Three sections are black and one is white.

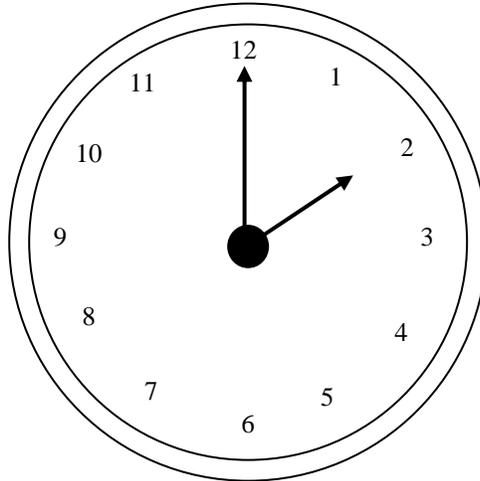


a. If you spin the spinner, what is more likely to come up, black or white?

b. Why do you think that?

Section B:

B3. What time does this clock show?



B4. Give the student a set of sorting materials such as Attribute blocks or sorting bears.

Ask the student to sort the set in some way.

Then ask the student to describe the sorting rule.

If successful, ask the student to try sorting the same set in a different way and then to describe the new rule.

Section B:

B5. Ask the student to name the days of the week in order.

B6. Ask the student to name the months of the year.

B7. Select two objects which, when held, appear to be about the same weight.

Give them to the child. Also have a pan balance available.

Ask the child to tell you which object is the heaviest.

B8. Give the student a collection of objects such as candy hearts, Unifix Cubes or jelly beans.

Ask the student to sort them.

Have the student place the sorted objects on grid paper to make a real graph.

On a second sheet of grid paper, have the student use crayons in matching colors to make a bar graph.

Ask the student to tell you something about the graph.

Grade 1-Part C Mathematics CRT

Note: To use any or all of the problems you may need to create individual worksheets. These problems are not in any developmental sequence. It is important for students to experience problems such as these, even if they cannot read them themselves.

1. Snacktime

My mother baked a pan of brownies for three of my friends and me. How should I share my brownies so that we each get an equal size piece? Show all of your work.

2. Patty's Design

Patty is designing a border that has 3  , 3  and 3  . Her design is in a pattern. What could her design look like?

3. Planting Bulbs

My mother and I are planting bulbs in the garden. I have 2 bulbs in each hand and my mother has 3 in each hand. How many bulbs will we plant?

Grade 1-Part C Mathematics CRT

4. Apple

On Sunday you eat 1 apple. On Monday you eat 2 apples. On Tuesday you eat 1 apple. On Wednesday you eat 2 apples. How many apples will you eat on Saturday?

5. Recess Time!

It is recess time! Everyone must go out to recess with mittens. Two children didn't bring mittens to school. Two children lost one mitten. How many mittens does the teacher need so all the children can go out for recess?

6. Dinosaurs

Mrs. Brown put 6 red dinosaurs and 2 yellow dinosaurs in a bag. She asked Bill to put his hand in the bag and pull out 1 dinosaur. What color do you think it will be and why?

Grade 1-Part C Mathematics CRT

7. The first grade students love to build snowmen at recess. One snowy day they built 3 snowmen on the playground.
- a. Their teacher gave them big buttons for each snowman's eyes and nose. How many buttons did the first graders get from their teacher?
 - b. The snowmen need hats and mittens.
How many hats? _____
How many mittens? _____

8. It was snack time in the first grade. The teacher put three square tables in different parts of the classroom. One student could sit at each side of a table. How many students could sit around the tables to eat their snacks?

9. The Bike Rack

There are 4 bicycles and 2 tricycles parked out front. How many tires are there in all?

Grade 1-Part C Mathematics CRT

10. Mother Duck

Mother Duck is sitting on 8 eggs. When all of the eggs hatched, how many eyes were looking up at Mother Duck?

11. How Many Legs?

Mary and Bob took their son and their daughter to the beach. Their dog, Misty, and her two puppies went along with them. Grandma Brown met them there. How many legs were in the group on the beach?

12. Beanie Baby Beds

Anna has 15 Beanie Babies. Her dad made three beds for them all to sleep in. How many Beanie Babies will she put in each bed so that they all have the same amount of sleeping room?

Grade 1-Part C Mathematics CRT

13. The Name Game

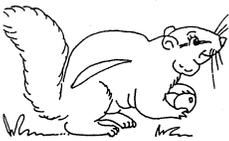
Using the first and last names of everyone in your group, which letters are used the most? Which letters are used the least?

14. On the Farm

I saw 3 horses and 3 ducks in the barn. How many heads did I see? How many legs did I see?

15. Hunting For Berries

Winter is coming. It's time for the chipmunks to hunt for berries. Chip found 5 berries. Tim found 3 more berries than Chip. Jimmy stopped to play so he found only 2 berries. How many berries did the chipmunks find?



Grade 1-Part C Mathematics CRT

16. The Hungry Frog

Frog is very hungry. He grabs one fly on hop number 3. He grabs his next fly on hop number 6, and his next fly on hop number 9.

If this pattern continues, at what number hop will Frog have 10 flies?

How many flies will Frog have on hop number 60?

17. Make Way For Ducklings

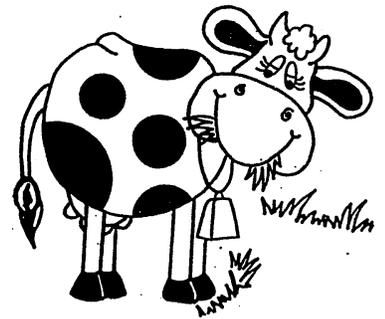
Ducklings are hatching at the pond. On Monday, 1 duckling hatched. On Tuesday, 2 ducklings hatched. On Wednesday, 3 ducklings hatched. How many ducklings will hatch on Saturday?

18. Gathering Nuts

Winter is coming. It's time for the squirrels to gather nuts. Sammy found 6 nuts. Sally found 2 more nuts than Sammy. Steve found 3 less nuts than Sammy. Sue stopped to play so she found only 1 nut. How many nuts did the squirrels gather?

Grade 1-Part C Mathematics CRT

19. I saw cows and ducks in the pasture. I counted 14 legs and 5 heads. How many cows, and how many ducks were there in the pasture?



20. Shape Up!

Use 6 triangles. Make a shape. How many corners and sides does your shape have?

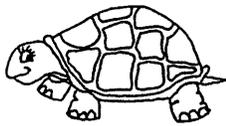
Corners _____ Sides _____

Make 3 more shapes with 6 triangles. What do you notice?

Grade 1-Part C Mathematics CRT

21. Toy Store

Jane looked at the toys in the toy store. She saw turtles, birds, bears, dogs, and cats. She bought 3 different toys. She paid 12 cents in all. Which 3 toys did Jane buy?



turtle
3 cents



bird
4 cents



bear
8 cents



dog
9 cents



cat
1 cent

22. Snacktime

My mother baked a pan of brownies for three of my friends and me. How should I share my brownies so that we each get an equal size piece? Show all of your work.

23. Helping Mom

Tom's mother gives him a dime each day for making his bed. He gets a quarter on Saturday for picking up his toys. How much money does Tom earn in one week for doing his chores?