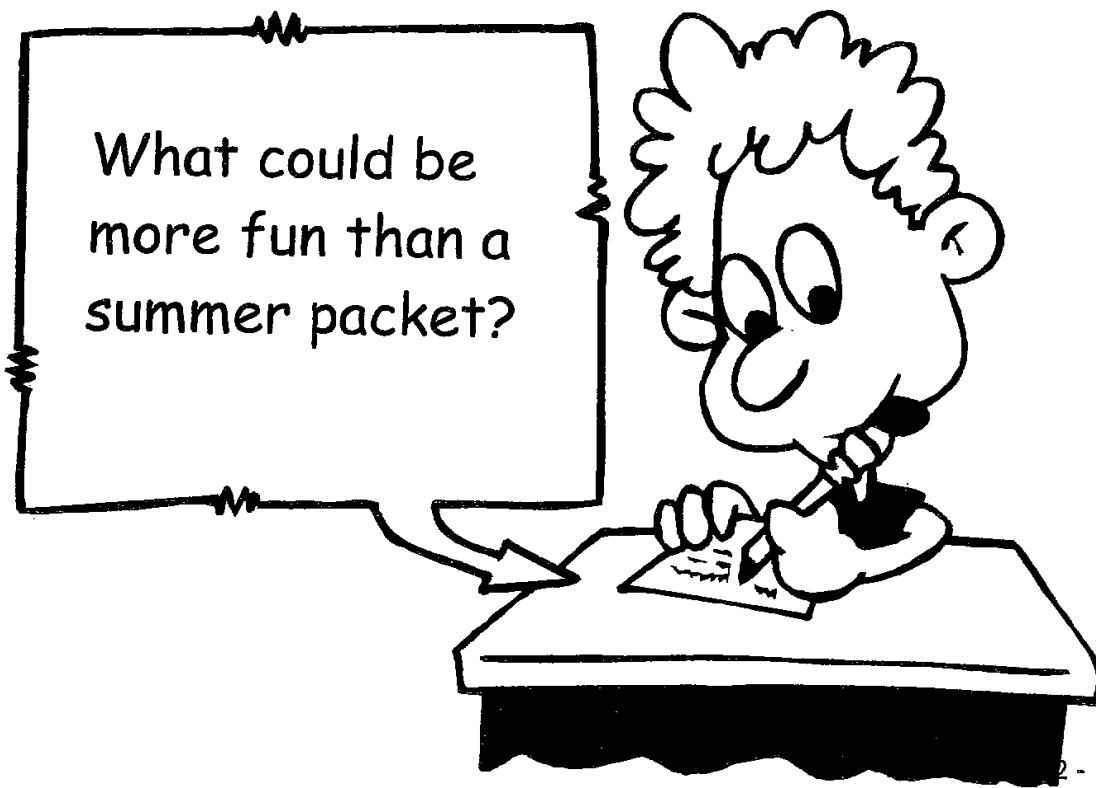


This Summer Math Packet is for all students who will be entering 3<sup>rd</sup> grade in the fall of 2016.

Please Note: This packet contains two sections. The first section is a review of grade 2 concepts. The second section is readiness for grade 3.

This packet should be completed prior to the start of school and will be collected during the first week of school.

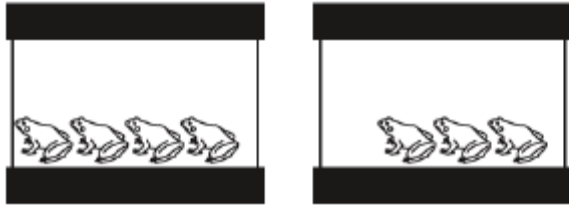


Karen has 3 rocks. She found 4 more rocks. How many rocks does she have in all?



- A  $3 + 4 = 6$
- B  $3 + 3 = 6$
- C  $4 + 4 = 7$
- D  $3 + 4 = 7$

Joan has 4 frogs in one tank. She has 3 frogs in another tank. How many frogs does Joan have in all?



- A  $4 - 3 = 1$
- B  $4 + 4 = 8$
- C  $3 + 3 = 6$
- D  $4 + 3 = 7$

There are 14 dolls in all.  
The dolls not in a box are shown.  
How many dolls are in the box?



$6 + \underline{\quad} = 14$



- A 7 dolls
- B 9 dolls
- C 5 dolls
- D 8 dolls

Alison put 2 stamps on each of 6 postcards. How many stamps did she use?

$$2 + 2 + 2 + 2 + 2 + 2 = \underline{\quad}$$

- A 14 stamps
- B 12 stamps
- C 10 stamps
- D 8 stamps

Which number completes the addition sentence?

								
4	+	4	=	<u>      </u>				

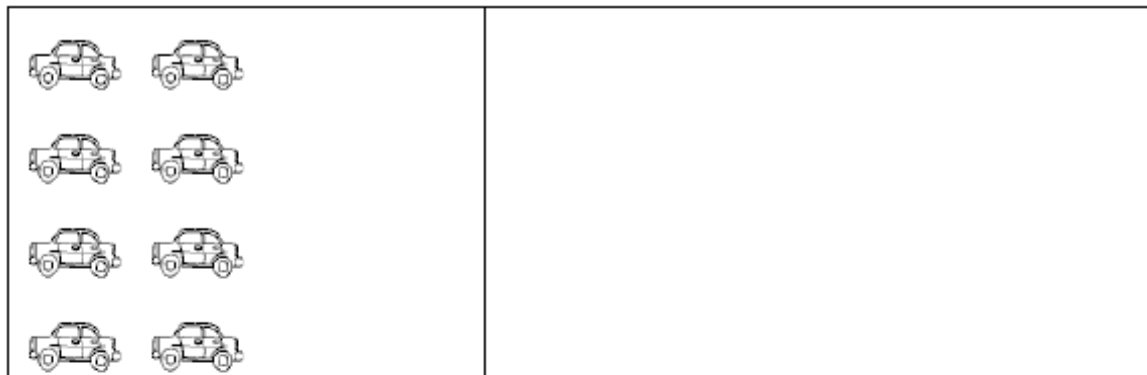
- A 10
- B 8
- C 7
- D 4

Which addition sentence matches the array?



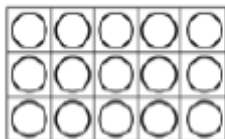
- A  $2 + 2 = 4$
- B  $2 + 3 = 5$
- C  $2 + 2 + 2 = 6$
- D  $2 + 2 + 2 + 2 = 8$

Which addition sentence matches the array?



- A  $4 + 4$
- B  $4 + 4 + 4 + 4$
- C  $2 + 2$
- D  $2 + 2 + 2 + 2$

Rashid has 3 rows of tomato plants. Each row has 5 tomato plants in it. Which number sentence shows how many tomato plants there are in all?

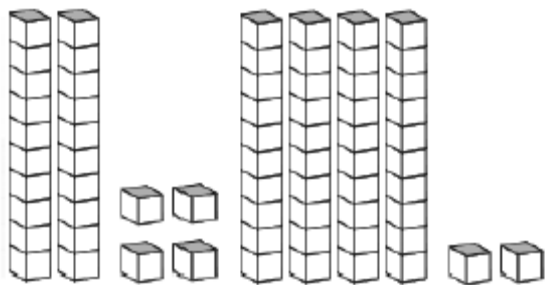


- A  $3 + 3 + 3 = 9$
- B  $5 + 5 + 5 = 15$
- C  $3 + 5 = 8$
- D  $5 + 5 + 3 + 3 = 16$

Which shows how to compare 81 and 18?

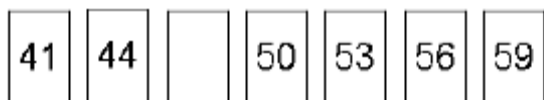
- A  $81 < 18$
- B  $81 > 18$
- C  $18 > 81$
- D  $18 = 81$

Which shows how to compare the groups of place-value blocks?



- A  $24 < 42$
- B  $24 > 42$
- C  $42 < 24$
- D  $42 = 24$

Which odd number is missing from the pattern?



- A 48
- B 45
- C 46
- D 47

Which odd number is missing from the pattern?



- A 73
- B 74
- C 75
- D 76

Trevor has 90 shells. He made a list to show how he could separate them into two bags.  
What is the missing number?

Tens	Tens	Total
3	6	90
4	5	90
5	4	90
6	?	90

- A 1
- B 2
- C 3
- D 4

Kayla had 50 beads in her collection. She found 30 more. How many beads did Kayla have in all?

- A 20
- B 80
- C 90
- D 100

Jonah has 26 large postcards and 40 small postcards. How many postcards does he have in all?

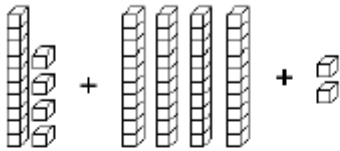
- A 26
- B 42
- C 56
- D 66

Start with 14.

Add 40.

Add 2.

How many now?



- A 56
- B 58
- C 62
- D 66

Which number makes the number sentence true?

$16 + \square = 37$

- A 21
- B 22
- C 23
- D 24

$19 + 30 = \underline{\quad}$

- A 39
- B 49
- C 51
- D 93

Add.

	Tens	Ones
	<input type="text"/>	
	6	8
+		4

- A 78
- B 74
- C 72
- D 64

What is  $25 + 5$ ?

- A 26
- B 29
- C 30
- D 35

What is  $25 + 25$ ?

- A 25
- B 40
- C 45
- D 50

Add tens. Use the hundred chart to help.

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

$30 + 30 = \underline{\quad}$

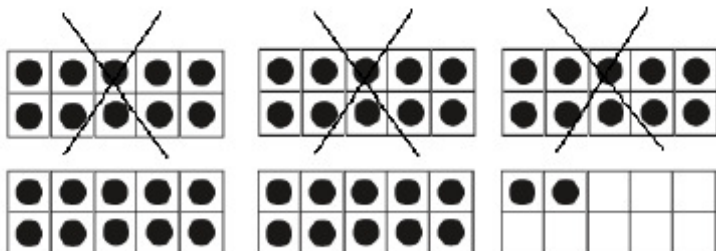
- A 50
- B 60
- C 70
- D 80

What is the pattern?

26, 32, 38, 44

- A subtract 8
- B add 4
- C subtract 6
- D add 6

Subtract tens. Use mental math or ten frames. What is the difference?



$52 - 30 = \underline{\quad}$

- A 82
- B 32
- C 22
- D 20



Sheena counted 74 pretzels in a bag. She ate 20 of them. How many pretzels were left in the bag?

- A 94
- B 54
- C 24
- D 14

Rob has 100 seashells to put in two boxes. He put 50 in one box. How many did he put in the other box?

- A 40
- B 45
- C 50
- D 60

Add on to find the other part of 100. Use mental math or ten frames. What is the missing number?



$$10 + \underline{\quad} = 100$$

- A 80
- B 85
- C 90
- D 95

49 band members were walking in the parade.  
4 members had tubas.  
31 members went home after the parade.

How many band members stayed after the parade?

- A 80 band members
- B 53 band members
- C 45 band members
- D 18 band members

Sammy won 12 games of table tennis one day and 9 games the next day. How many games did Sammy win in all?


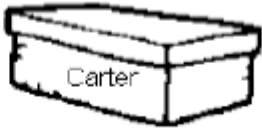
	Tens	Ones
	<input type="text"/>	
	1	2
+	0	9
<hr/>		

- A 43 games
- B 31 games
- C 23 games
- D 21 games

In which problem do you need to regroup to add?

- A  $85 + 4$
- B  $75 + 3$
- C  $71 + 5$
- D  $25 + 7$

How many ladybugs do Theresa and Carter have altogether?

	
28 ladybugs	15 ladybugs

- A 33 ladybugs
- B 42 ladybugs
- C 43 ladybugs
- D 53 ladybugs

Jill bought 10 corn muffins, 6 berry muffins, and 12 banana muffins. How many muffins did she buy in all?

$$10 + 6 + 12 = \underline{\quad}$$

- A 30
- B 28
- C 24
- D 18

Regroup if you need to.

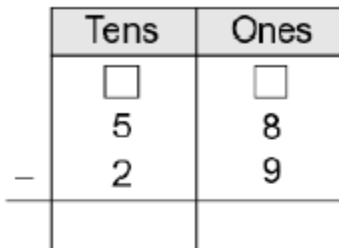
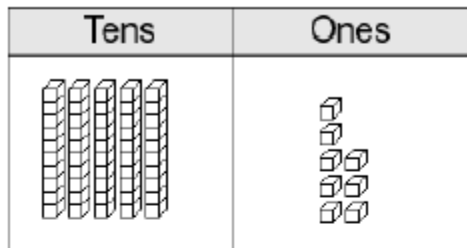
Josh had 24 balloons.

He gave away 8 balloons.

How many balloons does Josh have left?

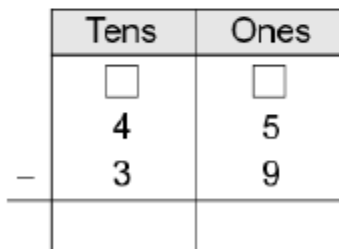
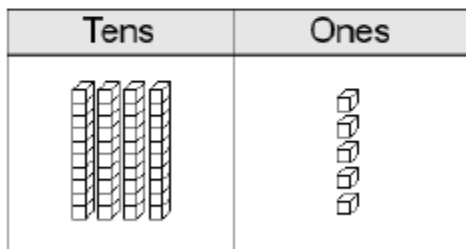
- A 55
- B 36
- C 16
- D 32

Subtract. Regroup if you need to.



- A 28
- B 29
- C 31
- D 37

Subtract. Regroup if you need to.



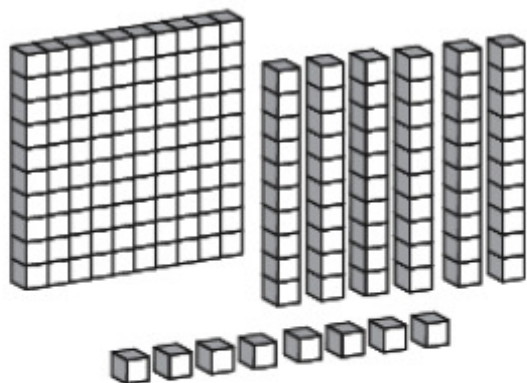
- A 2
- B 6
- C 45
- D 84

There are 96 children in second grade.  
 35 children are going on a field trip.

How many children are not going on the field trip?

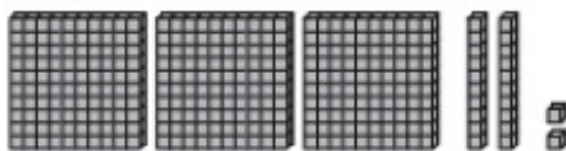
- A 76
- B 71
- C 66
- D 61

Which number do the models show?



- A 268
- B 168
- C 158
- D 156

What number does the model show?



- A 344
- B 334
- C 324
- D 322

Start with 733. Which number is 100 less?

- A 633
- B 723
- C 743
- D 833

Start with 290. Which number is 100 less?

- A 390
- B 300
- C 200
- D 190

$567 > \underline{\hspace{1cm}}$

- A 576
- B 467
- C 613
- D 579

Skip count by 10. What number comes next?

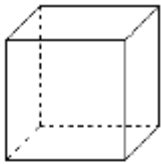
120, 130, 140,     

- A 141
- B 145
- C 150
- D 240

Which statement is true?

- A  $834 > 438$
- B  $834 < 438$
- C  $843 = 438$
- D  $438 > 834$

How many vertices does this solid figure have?



- A 6
- B 8
- C 16
- D 4

What plane shape would you draw if you traced one side of a cube?

- A square
- B rectangle
- C rectangle or square
- D circle

This shape is a hexagon.



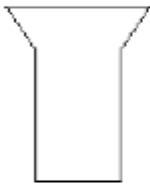
- A A hexagon has 5 sides and 5 vertices.
- B A hexagon has 6 sides and 6 vertices.
- C A hexagon has 7 sides and 7 vertices.
- D A hexagon has 8 sides and 8 vertices.

What is the name of the polygon?



- A square
- B trapezoid
- C hexagon
- D octagon

How many sides and vertices does this shape have?

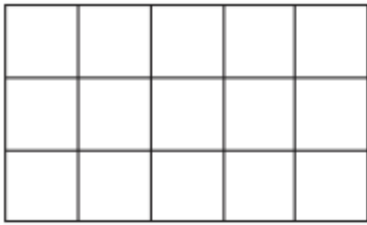


- A 6 sides and 6 vertices
- B 3 sides and 6 vertices
- C 6 sides and 4 vertices
- D 4 sides and 6 vertices

Ben made a spinner with 8 equal parts. He shaded 4 of the parts. Which picture shows the spinner Ben made?





- A A circle divided into 8 equal sectors by four diameters. Four sectors are shaded: the top-left, top-right, bottom-left, and bottom-right sectors.
- B A circle divided into 8 equal sectors by four diameters. Three sectors are shaded: the top-left, top-right, and bottom-left sectors.
- C A circle divided into 8 equal sectors by four diameters. Five sectors are shaded: the top-left, top-right, bottom-left, and bottom-right sectors, plus the top-left sector.
- D A circle divided into 8 equal sectors by four diameters. Six sectors are shaded: the top-left, top-right, bottom-left, and bottom-right sectors, plus the top-left and top-right sectors.

Which number sentence tells you how many square tiles cover the rectangle?







- A  $4 + 4 + 4 = 12$
- B  $5 + 5 + 5 = 15$
- C  $3 + 3 + 3 + 3 = 12$
- D  $5 + 5 + 5 + 5 + 5 = 25$

Dan cut a piece of paper into 8 equal parts. Which shows the shape Dan made?

- A 
- B 
- C 
- D 

Jane cut her brownie into 4 equal parts. Which shows the shape Jane made?

- A 
- B 
- C 
- D 



Dan has 7 dimes and 2 pennies. How much money does Dan have?

7 dimes + 2 pennies = \_\_\_\_\_

- A 72¢
- B 62¢
- C 9¢
- D 27¢

Norah found these coins on the ground.



What is the total amount?

- A 49¢
- B 43¢
- C 38¢
- D 27¢

The cost of a first-class postage stamp in 1995 is shown by the following coins. Count on to find the total amount.



- A 36¢
- B 34¢
- C 32¢
- D 31¢

Which shows \$1.00?



$$\begin{array}{r} 56\text{¢} \\ + 29\text{¢} \\ \hline \end{array}$$

- A 33¢
- B 75¢
- C 83¢
- D 85¢

Anita has 59¢. She gives away 32¢. How much money does she have left?

- A 22¢
- B 32¢
- C 29¢
- D 27¢

Anita has 80 flowers in her garden. She picks 37 flowers. Estimate how many flowers are still in her garden.

- A more than 40 flowers
- B less than 20 flowers
- C more than 50 flowers
- D less than 10 flowers

About how long is this spoon?

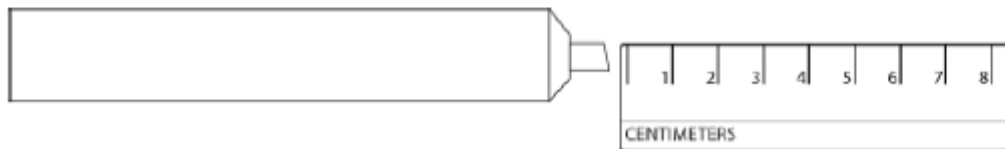


- A about 12 centimeters
- B about 6 centimeters
- C about 18 centimeters
- D about 30 centimeters

Estimate the height of a audio CD case.

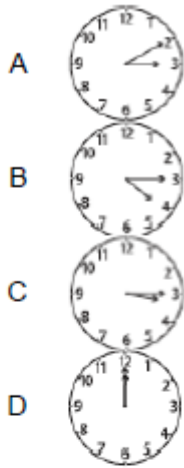
- A 5 inches
- B 2 inches
- C 5 feet
- D 2 feet

About how long is this marker?



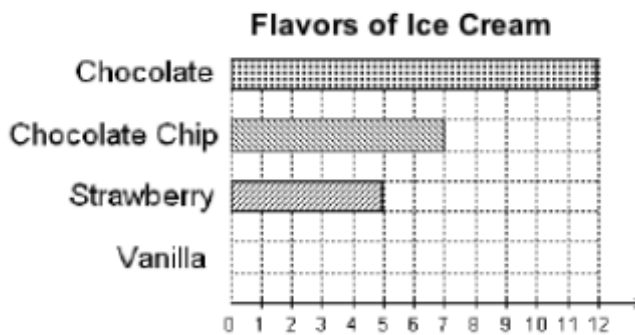
- A about 5 centimeters
- B about 12 centimeters
- C about 1 meter
- D about 5 meters

Which clock shows 3:15?



Victoria is making a bar graph from the data. How many squares should she color for the fourth row?






Flavors of Ice Cream	
Chocolate	12
Chocolate Chip	7
Strawberry	5
Vanilla	11



- A 5
- B 7
- C 11
- D 12

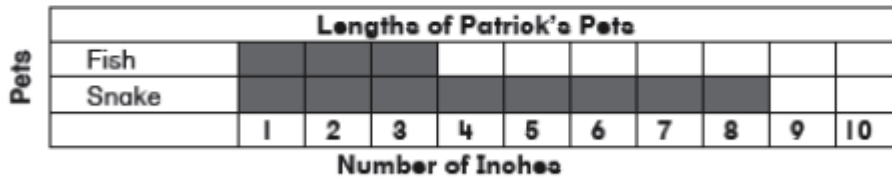
How many chickens would you draw in the top row?

Favorite Farm Animal	
Chicken	4
Pig	3

Favorite Farm Animal	
 Chicken	
 Pig	  

- A 8
- B 6
- C 4
- D 3

Use the graph to solve.



How many inches longer is the snake than the fish?

- A 4
- B 6
- C 7
- D 5

Mark the best answer.

1.  $5 + 6 =$  \_\_\_\_\_

- A 13
- B 12
- C 11
- D 10

2.  $45 +$  \_\_\_\_\_  $= 100$

- A 55
- B 50
- C 47
- D 45

3. Beth sent 4 letters two weeks ago. She sent 8 letters last week. She sent 12 letters this week. Look for a pattern to tell how many letters she will send next week.

- A 24
- B 18
- C 16
- D 14

4.  $8 +$  \_\_\_\_\_  $= 14$

$14 - 8 =$  \_\_\_\_\_

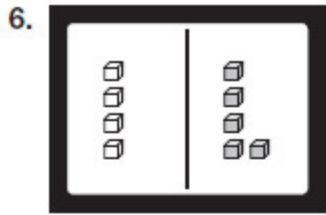
- A 9; 9
- B 7; 7
- C 6; 6
- D 5; 5

5. Subtract any way you choose.

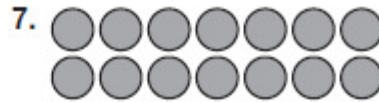
$574 - 361 =$  \_\_\_\_\_

- A 213
- B 315
- C 813
- D 935

For 6 and 7, give the number sentence that matches the model.



- A  $5 - 4 = 1$
- B  $5 - 1 = 4$
- C  $4 + 4 = 8$
- D  $4 + 5 = 9$



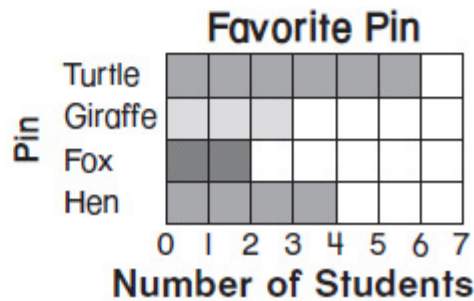
- A  $7 + 7 = 14$
- B  $6 + 6 = 12$
- C  $5 + 5 = 10$
- D  $4 + 4 = 8$

8. Which group of coins has the value of 90¢?







9. Which pin is the most favored?

- A Turtle
- B Giraffe
- C Fox
- D Hen







10. Nate traces a triangle using a solid figure. Which solid figure did he use?

- A 
- B 
- C 
- D 

11. Which clock is showing quarter past 10?



- A 
- B 
- C 
- D 




12. Dean is 46 inches tall. Greg is 37 inches tall. How much taller is Dean than Greg?


- A 10 inches
- B 9 inches
- C 8 inches
- D 7 inches

13. Bobbie has 66¢. Nick has 28¢. How many cents more does Bobbie have than Nick?

- A 37¢
- B 38¢
- C 47¢
- D 48¢

14. How many students voted for soccer?

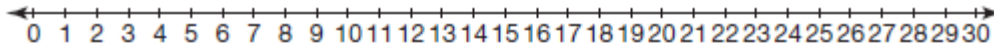
Favorite Sport	
Football	
Soccer	
Baseball	

Each  = 2 votes

- A 2
- B 4
- C 6
- D 8



15. Find  $26 - 9$  using the number line.



- A 7
- B 17
- C 18
- D 19

16. Tina makes a sandwich. Which shows how she could cut it into fourths?



- A
- B
- C
- D

17. Millie has 45 stickers. Dina has 18 stickers. Which shows how to compare the numbers?

- A  $45 < 18$
- B  $18 = 45$
- C  $18 < 45$
- D  $18 > 45$

18. Which number is odd?

- A 6
- B 10
- C 19
- D 22

19. Rami is measuring the length of his bedroom. Will it take fewer inches, fewer feet, or fewer yards to measure the length of his bedroom?

- A fewer inches
- B fewer feet
- C fewer yards
- D All are the same.

20. Tina cut the trapezoid below into two triangles.



Which shows what she cut?

- A
- B
- C
- D