Name:_____ Date: _____

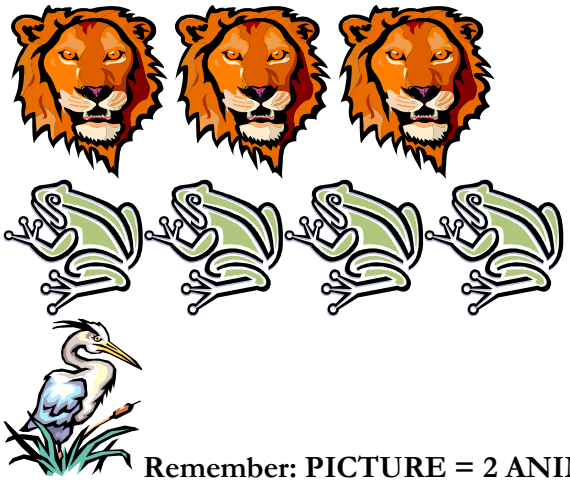
3rd Grade Math Skills Diagnostic

This is a test that does not count towards your grade. The only reason for this test is for you to show me what you remember from your 2nd grade math class. Please read each question and try your best! ☺

Look at the pictograph and answer the questions.

GLE # 27 Interpret pictographs in which each picture represents more than one object

Liz went to Africa and saw three different animals. She made a pictograph where **each picture = 2 animals**.



Remember: PICTURE = 2 ANIMALS for example:  **= 2 Lions**

1. How many lions did she see? _____

2. How many more frogs than birds did she see? _____

3. What animal did she see the most of? _____

4. Fill in these numbers on the number line: 2, 100, 21, 5, 13

GLE # 5 read, write, compare, and order whole numbers through 999 using words, number lines, and models.

0 10 15 20 25 30

5. Which number is less than 527?

A. 530 B. 528 C. 527 D. 525 E. I don't know

6. Write the number 25 in word form:

GLE #1 Model, read, and write place values for numbers through 999 in word, standard, and expanded form

_____

7. Write the number 63 in expanded form:

_____

Write how many hundreds, tens and ones are in each number: GLE #1 Model, read, and write place values for numbers through 999 in word, standard, and expanded form

	Hundreds	Tens	Ones
8. 134			
9. 2			
10. twenty			

11. Which number means 4 tens and 5 ones?
GLE #1 Model, read, and write place values for numbers through 999 in word, standard, and expanded form

A. 54 B. 40 C. 45 D. 50 E. I don't know

Write a number sentence for the situation
GLE # 7 Know all basic facts for addition and subtraction and use them to solve real-life problems.
GLE # 12 Use number sentences to represent problems involving addition and subtraction

12. Katania has four apples. She eats one. Then she only has three apples.

_____ - _____ = _____

13. Diante has eight oranges. His mother gave him four more.

_____ +_____=_____

Find the missing numbers:
GLE # 13 Find the missing number in an equation involving addition or subtraction

14. 5 + _____ = 10 15. 7 - _____ = 4 16. _____ - 15 = 9

Circle the key words and solve the problems. Show your work.
GLE # 8 Recognize, select, connect, and use operations,operational words and symbols (+, –) for addition or subtraction

17. Mr. Simon has 46 marbles. His son has 34 marbles less than him. How many marbles does Mr. Simon's son have?

_____

18. There are 37 oranges on an orange tree. A strong wind blows off 14 of the oranges. How many oranges are left on the tree?

_____

19. There are 9 pelicans at the lake. There are 4 pelicans in the sky. How many pelicans are there in all?

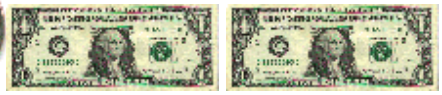
Add or Subtract the following numbers:

GLE #9 Add and subtract 1- and 2-digit numbers

20. 62 − 7	**21.** 322 − 48	**22.** 95 + 78
23. 66 + 19	**24.** 544 − 103	**25.** 70 + 49

Write the total amount of money for each problem.

GLE # 4 Count and write the value of amounts of money up to $1.00 using ¢ and $

26 .   = _____

27. The list shows some ways to make 20¢. Find the missing number.

GLE # 4 Count and write the value of amounts of money up to $1.00 using ¢ and $

GLE #30 Recognize, extend, create, and explain patterns of addition and subtraction as represented in charts and tables and in varied forms of skip counting.

Ways to make 20¢:

Number of each:			
	**2**	**1**	**1**
	**0**	**?**	**0**
	**0**	**0**	**10**
TOTAL	**20¢**	**20¢**	**20¢**

A. 1 

B. 2 

C. 1 

D. 5 

Read and answer the following question:

GLE # 11 Use the concept of one-to-several correspondence to trade single items for a greater quantity of items with unequal value

28. You have 1 dime. Another student wants to trade it for 9 pennies. Would you trade? Why or why not?

_____

Write the correct time for each clock:

GLE # 16 Tell time to the nearest 5 minutes, and identify the time one hour before or after a given time

29.

_____

What time was it 1 hour ago? _____

30.

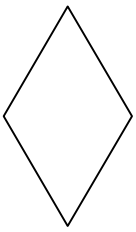
_____

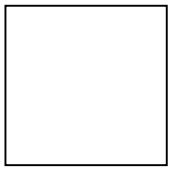
What time will it be in 1 hour? _____

Answer the questions about shapes.

31. Are these objects congruent? Why or why not?

GLE # 23Identify congruent 3-dimensional solids in a variety of positions and orientations



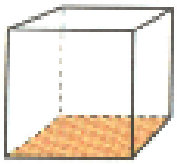


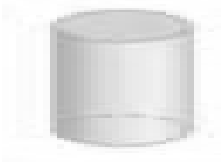
_____

_____

32. Write the names of these shapes and the number of sides.

GLE # 21 Compare and contrast 3-dimensional they have. shapes according to their attributes



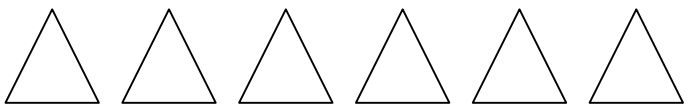


_____

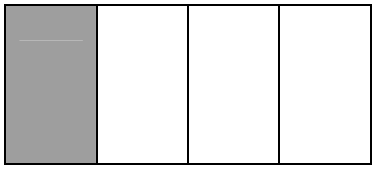
_____

33. Color in 2/6 of the triangles black:

GLE #2 Model the concepts of thirds, fourths, fifths and sixths using regions, sets, and fraction words



34. Which fraction tells how much of the shape is shaded?



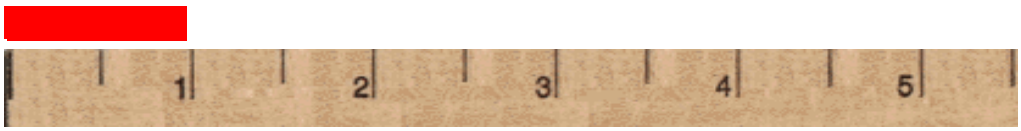
A. 1/2 B. 1/4 C. 1/3 D. 4/1 E. I don't know

35. Make an estimate:
GLE # 19 Estimate length in standard units

This rectangle is about _____ inches long

a. 1 inch
b. 3 inches
c. 10 inches

36.Use the picture to answer the following question:
GLE # 14 Measure and appropriately label measures of length and perimeter



What is the length of the line in inches?

1) three and one half inches
2) five inches
3) one inch
4) one and one half inches

Round this number to the nearest 10. Circle your answer.
GLE # 10:Round numbers to the nearest 10 or 100 and identify situations in which rounding is appropriate

37. 335 =

340 352 360 330

Round this number to the nearest 100. Circle your answer.

38. 329 =

330 300 400 430