

CIE-USA/DFW
Math Competition 2005
Grade 2
32 questions
Time: One Hour

Note:

*Make sure to write all of your answers on the answer sheet.

Only the answer sheet will be graded.

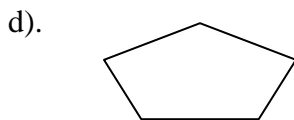
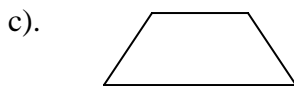
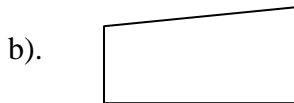
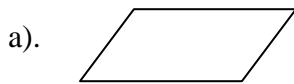
*Each of the 32 questions carries the same weight.

1. Katie has 17 yellow crayons, 12 green crayons, 5 red crayons, and 14 purple crayons in a box. If Katie takes 1 crayon out of the box without looking, which color will she least likely get?
- yellow
 - green
 - red
 - purple

2. Find the pattern in the chart and choose the correct missing number.
- 51
 - 40
 - 38
 - 36

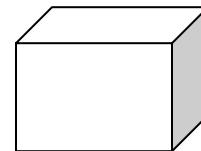
Input	14	23	32	?
Output	9	18	27	46

3. Which figure is congruent to the one shown on the right?



4. What is the name for the picture shown on the right?

- square
- rectangle
- quadrilateral
- rectangular prism



5. Tommy drew 4 octagons. Lisa drew 3 hexagons. How many vertices are there all together?

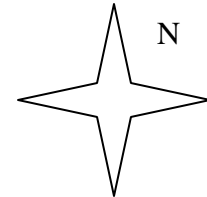
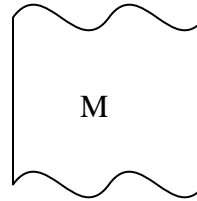
- 42
- 47
- 50
- 58

6. Which group of numbers is listed in order from least to greatest?

- a). 352, 389, 410, 401, 473
- b). 352, 389, 401, 410, 473
- c). 473, 410, 401, 389, 352
- d). 352, 389, 473, 410, 401

7. Which statement is correct?

- a). Figure M is a polygon.
- b). Figure N is not a regular octagon.
- c). Figure N has only one line of symmetry.
- d). Figure N has only acute angles.

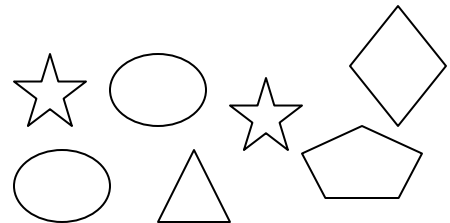


8. Marci had \$30.00. She spent half of the money on a video game. Then she spent $\frac{2}{3}$ of the leftover money on school supplies. How much money did she have left?

- a). \$5
- b). \$10
- c). \$20
- d). \$25

9. What fractional part of the figures are polygons?

- a). $\frac{2}{7}$
- b). $\frac{3}{7}$
- c). $\frac{5}{7}$
- d). $\frac{7}{7}$



10. The clock in Mrs. Wilson's room reads 3:50. What kind of angle does this time show?

- a). Acute angle
- b). Right angle
- c). Obtuse angle
- d). Straight angle

11. How long does Jake spend doing his homework on Monday, Tuesday, and Wednesday?

- a). 1 hour 6 minutes
- b). 104 minutes
- c). 1 hour 44 minutes
- d). 1 hour 16 minutes

Monday	25 minutes
Tuesday	34 minutes
Wednesday	17 minutes
Thursday	28 minutes

12. What is the missing number? 4,350; 4,325; 4,300; _____.

- a). 4,575
- b). 4,375
- c). 4,275
- d). 4,270

13. Bria is trying to organize the bookcase for her mother. Each shelf can hold 15 books. How many shelves will she need if there are 80 books?

- a). 5 shelves
- b). 6 shelves
- c). 7 shelves
- d). 8 shelves

14. Brittney wants to make friendship necklaces. For each necklace, she will use 13 purple beads and 7 pink beads. If she uses 100 beads in total, how many necklaces can she make?

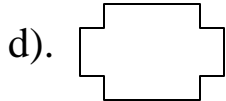
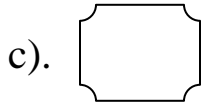
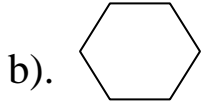
- a). 2
- b). 3
- c). 4
- d). 5

15. Bria needs your help with this mystery number! Use the following numbers to help her find the answer: 3, 6, 8, 4, 2. The number in the ones place is twice the number in the hundreds place. The number in the ten thousands place is 3 times the number in the tens place. The only odd number is in the thousands place.
- a). 63,428
 - b). 63,824
 - c). 83,246
 - d). 83,462
16. Matt drew a sphere, a cylinder, a rectangular prism, and a triangle. Which one has parallel sides?
- a). Sphere
 - b). Triangle
 - c). Rectangular prism
 - d). Cylinder
17. Which is the most reasonable measurement for a cat's weight?
- a). 10 oz
 - b). 10 kg
 - c). 10 mg
 - d). 10 g
18. Steve finished his homework at 3:15 p.m. If he spent 45 minutes working on the homework, what time did he start?
- a). 2:45 p.m.
 - b). 2:30 p.m.
 - c). 3:45 p.m.
 - d). 4:00 p.m.

19. How do you write this number in expanded form: seven hundred six thousand, eight hundred thirty-five?
- a). $706,000+800+30+5$
 - b). $7,000+6,000+800+30+5$
 - c). $70,000+6,000+800+50+3$
 - d). $700,000+6,000+800+30+5$
20. Amy read 104 words in 2 minutes. How many words can she read in 10 minutes?
- a). 52 words
 - b). 208 words
 - c). 520 words
 - d). 2080 words
21. List the fractions in order from greatest to smallest: $\frac{1}{12}$, $\frac{1}{3}$, $\frac{1}{7}$, $\frac{1}{9}$, $\frac{1}{5}$
- a). $\frac{1}{12}$, $\frac{1}{9}$, $\frac{1}{7}$, $\frac{1}{5}$, $\frac{1}{3}$
 - b). $\frac{1}{3}$, $\frac{1}{5}$, $\frac{1}{7}$, $\frac{1}{9}$, $\frac{1}{12}$
 - c). $\frac{1}{3}$, $\frac{1}{7}$, $\frac{1}{9}$, $\frac{1}{12}$, $\frac{1}{5}$
 - d). $\frac{1}{9}$, $\frac{1}{7}$, $\frac{1}{12}$, $\frac{1}{5}$, $\frac{1}{3}$
22. List the following in order from smallest to greatest: 5 quart, 2 pints, 13 cups, 1 gallon
- a). 2 pints, 13 cups, 5 quarts, 1 gallon
 - b). 2 pints, 13 cups, 1 gallon, 5 quarts
 - c). 1 gallon, 2 pints, 5 quarts, 13 cups
 - d). 13 cups, 2 pints, 5 quarts, 1 gallon
23. All the numbers in the box follow one rule. Which number below follows the same rule?
- a). 33 because all the numbers in the box are a multiple of 2.
 - b). 268 because all the numbers in the box are even numbers.
 - c). 7,699 because this number has a 6 in the hundreds place.
 - d). 821 because all of the numbers in the box are odd numbers.

690	7,682
	13,679

24. Which one is not a polygon?



25. Debbie wants to make sandwiches for the picnic. There are two kinds of bread: wheat bread and white bread. There are turkey, roast beef, ham, and bologna in the refrigerator. How many different kinds of sandwiches can she make using one kind of bread and one kind of meat at a time?

a). 10

b). 8

c). 6

d). 4

26. Which of the following is the greatest odd number using 4, 9, 7, 6?

a). 9,764

b). 9,675

c). 7,964

d). 7,649

27. Joe saved \$2 everyday for 14 days. Brett saved \$5 twice a week for three weeks. How much money did they save all together?

a). \$43

b). \$46

c). \$58

d). \$38

28. Mrs. Darby spent \$20 on the toys for each of her two boys. She then spent \$12 on the lunch and \$56 on school supplies. Now she had \$3 left. How much money did she have at the start?
- a). \$111
 - b). \$91
 - c). \$108
 - d). \$101
29. Cody lives 7 blocks from school. How many blocks does he walk to and from school in 5 days?
- a). 70 blocks
 - b). 12 blocks
 - c). 35 blocks
 - d). 40 blocks
30. Which temperature is ideal for a picnic day?
- a). 24 degrees Fahrenheit
 - b). 86 degrees Celsius
 - c). 45 degrees Fahrenheit
 - d). 26 degrees Celsius
31. Which is a reasonable estimate?
- a). A large pizza weighs about 72 pounds.
 - b). A bag of oranges weighs about 4 pounds.
 - c). Mrs. Hank weighs about 45 oz.
 - d). Mr. Hank is 24 feet tall.
32. Neil has 3 quarters, 5 nickels, 1 five-dollar bill, and 2 dimes. He spent \$0.30 on a lollipop. How much money does he have left?
- a). \$5.90
 - b). \$5.80
 - c). \$1.40
 - d). \$0.90

Second Grade Test Answer Key

1. a
2. a
3. c
4. d
5. c
6. b
7. b
8. a
9. c
10. c
11. d
12. c
13. b
14. d
15. a
16. c
17. b
18. b
19. d
20. c
21. b
22. b
23. c
24. c
25. b
26. d
27. c
28. a
29. a
30. d
31. b
32. a