



Elementary School Target Test 11021

Name: _____

Grade: _____

School: _____

SCORE: # 1 _____

SCORE: # 2 _____

Scorer's initials _____

Scorer's initials _____

DO NOT BEGIN UNTIL YOU ARE INSTRUCTED TO DO SO

This round of the competition consists of eight problems. They will be presented to you in pairs. Work on one pair of the problems will be completed and answers will be collected before the next pair will be distributed. The time limit for each set of the two problems is six minutes. The first pair of problems is on the other side of this sheet. When instructed to begin, pick up your pencil and begin working. Record your final answer in the designated space on the problem sheet. All answers must be complete, legible, and simplified to lowest terms. This round allows the use of calculators, and calculations may also be done on scratch paper, but no other aids are allowed. If you complete the problems before time is called, use the time remaining to check your answers.

Scoring: Ten points will be awarded for each correct answer. No deduction is taken for incorrect answers or skipped problems.

Abigail has a clock that is too fast, and a clock that is too slow. The fast clock gains 2 minutes per hour. The slow clock loses 3 minutes per hour. At a certain time, Abigail sets both clocks to the same, correct, time. Less than 24 hours later, when the fast clock says the time is 7:00 and the slow clock says the time is 6:00, what is the actual time?

1. _____

1. Friday Carmela rode the bus to school. When she left her house, she walked for 9 minutes to her bus stop, where she waited 13 minutes for the bus. The bus ride to school took 27 minutes. She waited 4 minutes for school to start. School was 6 hours and 41 minutes long. After school, she waited 8 minutes for the bus and the bus ride to her bus stop took 24 minutes. From her bus stop, she walked for 13 minutes to get to her house. If Carmela left her house at 7:15 in the morning, at what time in the afternoon did she arrive back at her house?

2. _____



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The second pair of problems is on the other side of this sheet. When instructed to begin, pick up your pencil and begin working. Record your final answer in the designated space on the problem sheet. All answers must be complete, legible, and simplified to lowest terms. This round allows the use of calculators, and calculations may also be done on scratch paper, but no other aids are allowed. If you complete the problems before time is called, use the time remaining to check your answers.

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2. Guillermo has 36 coins consisting of nickels and quarters. The total value of his coins is \$6.20. How many quarters does Guillermo have? 3. _____
3. Yi-Mei has 23 shapes, which are triangles, squares or hexagons. She has at least one of each shape. She has more triangles than squares, and more squares than hexagons. Counting up all the sides of all the figures gives a total of 78 sides. What is the largest number of triangles Yi-Mei can have? 4. _____



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Name: _____

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SCORE: # 5 _____

SCORE: # 6 _____

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The third pair of problems is on the other side of this sheet. When instructed to begin, pick up your pencil and begin working. Record your final answer in the designated space on the problem sheet. All answers must be complete, legible, and simplified to lowest terms. This round allows the use of calculators, and calculations may also be done on scratch paper, but no other aids are allowed. If you complete the problems before time is called, use the time remaining to check your answers.

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4. Consecutive numbers are counting numbers that follow in order, such as: 3, 4, 5, 6, 7, and so forth. Suppose the average of a set of 17 consecutive numbers is 17. What is the average of the first 7 numbers in the set? 5. _____
5. DJ is a two digit number, where D and J represent different digits. A new number is formed by putting a 5 at the end of DJ. The difference between the new number and DJ is 347. What is the value of the digit represented by D? 6. _____



Elementary School Target Test 11021

Name: _____

Grade: _____

School: _____

SCORE: # 7 _____

SCORE: # 8 _____

Scorer's initials _____

Scorer's initials _____

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The fourth pair of problems is on the other side of this sheet. When instructed to begin, pick up your pencil and begin working. Record your final answer in the designated space on the problem sheet. All answers must be complete, legible, and simplified to lowest terms. This round allows the use of calculators, and calculations may also be done on scratch paper, but no other aids are allowed. If you complete the problems before time is called, use the time remaining to check your answers.

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6. Zana's swimming pool measures 12 meters by 18 meters. The pool is surrounded by a deck 3 meters wide, as in the below drawing. What the area of the deck around Zana's pool?

7. _____



7. In the figure below, ABCD is a square which contains nine small congruent squares as shown. Point E is two-thirds of the way from A to B. Point F is two-thirds of the way from D to C. The area of triangle DEF (the shaded region) is 48 square units. What is the area of square ABCD, in square units?

8. _____

