

ACTIVITY ONE (SHOW YOUR WORK; SELECTIONS MAY HAVE MORE THAN ONE CORRECT ANSWER)

Article: Colfax Marathon draws runners, increased security, *Sun., May 19, Denver & The West, page 6B*

- Refer to the map accompanying the article to determine the nearest cross street(s) to each mile marker for the half marathon:
 - 5 miles: Montview Blvd. and _____
 - 10 miles: E. Colfax Ave. and _____
- The half marathon is:
 - 26.2 miles 17 miles more than 12 miles less than 12 miles

ACTIVITY TWO

Articles: Prep Championships, *Sun., May 19, Sports, section CC*

- Senior Ana Holland of Regis Jesuit High won three events in the state championships. Which of the following terms (more than one) refer to three?
 - triple tri- triangle tetra-

ACTIVITY THREE

Article: Denver Daily Deals display ad, *Sun., May 19, Denver & The West, page 7B*

- You can buy kids tennis lessons for \$49. This is 50% off the regular price. What is the regular price?

- There is an offer for window washing. The regular price is \$80. The savings is 51%. What is the price being offered through Denver Daily Deals?

- The cost of a pass to Denver Golf Family Fun is \$79. The regular price is \$364. What is the percentage off?

ACTIVITY FOUR

Article: Main section, *Sun., May 19, Main*

- The Main section is numbered page 1A through 26A. Write a "P" next to the numbers listed that are prime numbers. Write an explanation of what constitutes a prime number.

- | | | | |
|-----------|-----------|-----------|-----------|
| 1A _____ | 2A _____ | 3A _____ | 4A _____ |
| 5A _____ | 6A _____ | 7A _____ | 8A _____ |
| 9A _____ | 10A _____ | 11A _____ | 12A _____ |
| 13A _____ | 14A _____ | 15A _____ | 16A _____ |
| 17A _____ | 18A _____ | 19A _____ | 20A _____ |
| 21A _____ | 22A _____ | 23A _____ | 24A _____ |
| 25A _____ | 26A _____ | | |

May 19, 2013

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ANSWERS

ACTIVITY ONE

- 5 miles: Montview Blvd. and Monaco Pkwy.
- 10 miles: E. Colfax Ave. and Quebec St.

Half marathon is less than 12 miles long.

ACTIVITY TWO

Three: triple, tri-, triangle

ACTIVITY THREE

\$98

\$39

78%

ACTIVITY FOUR

A prime number is a natural number greater than 1 that has no positive divisors other than 1 and itself.

3A

5A

7A

11A

13A

17A

19A

23A

Colorado Academic Standards

Mathematics 1. Number Sense, Properties, and Operations

Understand the structure and properties of our number system. At their most basic level numbers are abstract symbols that represent real-world quantities

1. The decimal number system to the hundredths place describes place value patterns and relationships that are repeated in large and small numbers and forms the foundation for efficient algorithms.

Understand that equivalence is a foundation of mathematics represented in numbers, shapes, measures, expressions, and equations

2. Different models and representations can be used to compare fractional parts.

Are fluent with basic numerical, symbolic facts and algorithms, and are able to select and use appropriate (mental math, paper and pencil, and technology) methods based on an understanding of their efficiency, precision, and transparency

3. Formulate, represent, and use algorithms to compute with flexibility, accuracy, and efficiency

Mathematics 2. Patterns, Functions, and Algebraic Structures

Make sound predictions and generalizations based on patterns and relationships that arise from numbers, shapes, symbols, and data

Make claims about relationships among numbers, shapes, symbols, and data and defend those claims by relying on the properties that are the structure of mathematics

1. Number patterns and relationships can be represented by symbols

Mathematics 3. Data Analysis, Statistics, and Probability

Solve problems and make decisions that depend on understanding, explaining, and quantifying the variability in data

1. Visual displays are used to represent data

Mathematics 4. Shape, Dimension, and Geometric Relationships

Understand quantity through estimation, precision, order of magnitude, and comparison. The reasonableness of answers relies on the ability to judge appropriateness, compare, estimate, and analyze error

1. Appropriate measurement tools, units, and systems are used to measure different attributes of objects and time

Make claims about relationships among numbers, shapes, symbols, and data and defend those claims by relying on the properties that are the structure of mathematics

2. Geometric figures in the plane and in space are described and analyzed by their attributes