

CaHSEE

Exit Exam

Math

What you need to know ...

Strategies ...

- Read the answer choices first
- Underline the key word or topic if needed
- Don't think outside the question
- Read or "look over" the table, graph, etc...
- There will be one or two really "far out" choices
FAR OUT = "Distractor" answers

Do you have a plan for answering?

- 1st. eliminate if you can.
- 2nd. Leave BLANK and return later, it might come to you.
- 3rd. ... go to 50/50 " flip the coin"

Number Sense

Fractions, Decimals, Percents

- John uses $\frac{2}{3}$ of a cup of oats per serving to make oatmeal. How many cups of oats does he need to make 6 servings?

$$A = 2 \frac{2}{3}$$

$$B = 4$$

$$C = 5 \frac{1}{3}$$

$$D = 9$$

Q. Are there any **distractors**?

PERCENTS %

Sally puts \$200.00 in a bank account. Each year the amount earns 8% simple interest. How much interest will be earned in three years?

A = \$ 16.00

B = \$ 24.00

C = \$ 48.00

D = \$160.00

Q. Are there any **distractors**?

Exponents

- 10^{-2} Divided by 10^{-4}

$$A = 10^{-6}$$

$$B = 10^{-2}$$

$$C = 10^2$$

$$D = 10^8$$

Are there any **distractors**?

Statistics, Data Analysis, Probability

- A bag contained four green balls, three red balls, and two purple balls. Jason removed one purple ball from the bag and did NOT put the ball back in the bag. He then randomly removed another ball from the bag. What is the probability that the second ball Jason removed was purple?
- A = $1/36$
- B = $1/9$
- C = $1/8$
- D = $2/9$

Are there any distractors?

Algebra and Functions

- If $h=3$ and $k=4$, then $(hk + 4)/2 - 2 = ?$

A = 6

B = 7

C = 8

D = 10

Are there any **distractors**?

Algebra and Functions

- In the inequality $2x + \$10,000 \geq \$70,000$, X represents the salary of an employee in a school district. Which phrase most accurately describes the employee's salary?

A = At least \$30,000

B = At most \$30,000

C = Less than \$30,000

D = More than \$30,000

Are there any **distractors**?

Algebra and Functions

- Stephanie is reading a 456-page book. During the past 7 days she has read 168 pages. If she continues reading at the same rate, how many more days will it take her to complete the book?
- **A = 12**
- B = 14
- C = 19
- D = 24

Are there any **distractors**?

Measurement and Geometry

You need to know ...

- Perimeter of a polygon (sum of the sides)
 - Circumference of a circle ($C=2 \pi R$,
 $C=\pi d$)
 - Area of a triangle ($A=1/2bh$)
 - Area of a parallelogram
(including rectangles & squares, base x
height)
- Volume of a rectangle prism (length x width
x height)

Measurement and Geometry

- Sixty miles per hour is the same as which of the following

A = 1 mile per minute

B = 1 mile per second

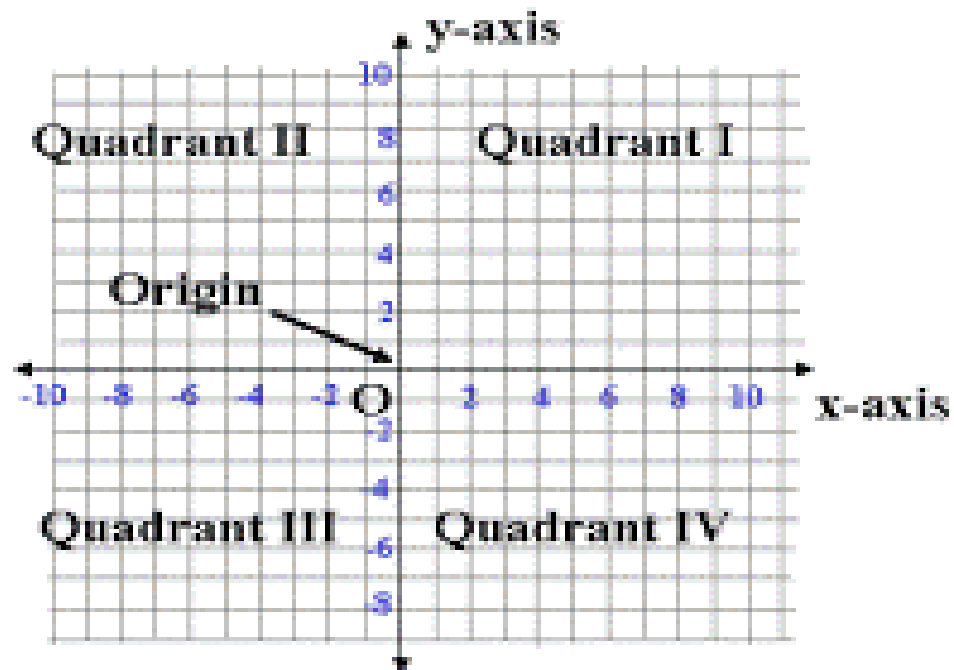
C = 6 miles per minute

D = 360 miles per second

Are there any **distractors**?

Measurement and Geometry

CARTESIAN COORDINATE PLANE



Write the slope-intercept form for this equation and graph it.

$$4x + 2y = 10$$

$$\begin{array}{r} -4x \\ -4x \end{array}$$

$$\frac{2y = -4x + 10}{2}$$

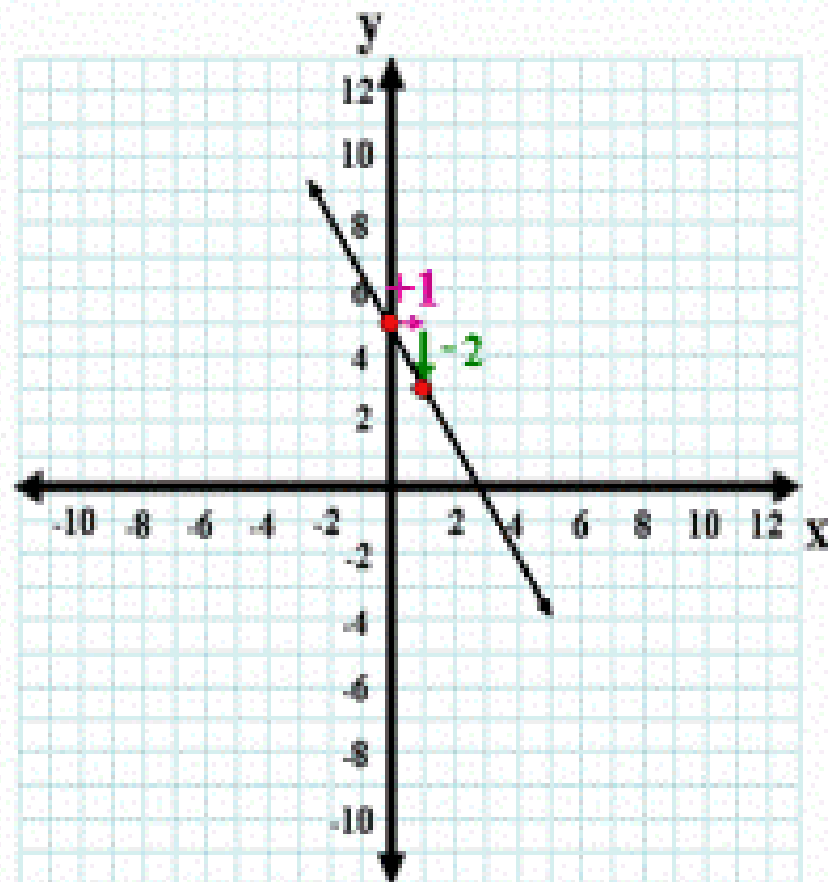
$$y = -\frac{4}{2}x + \frac{10}{2}$$

$$y = -2x + 5 \leftarrow \text{Slope Intercept}$$

$$y = mx + b \quad \text{Form}$$

$$m = -2 = \frac{-2}{+1}$$

$$y\text{-intercept} = (0, 5)$$



Math Reasoning

- If n is any odd number, which of the following is true about $n + 1$?

A = It is an odd number.

B = It is an even number.

C = It is a prime number.

D = It is the same number as $n-1$.

Are there any **distractors**?

Math Reasoning

Len runs a mile in 8 minutes. At this rate how long will it take him to run a 26-mile marathon?

Which of the following problems can be solved using the same arithmetic operations that are used to solve the problem above?

A= Len runs 26 miles in 220 minutes. How long does it take him to run each mile.?

B= A librarian has 356 books to place on 18 shelves. Each shelf will contain the same number of books. How many books can the librarian place on each shelf?

C= A cracker box weighs 200 grams.

What is the weight of 100 boxes?

D=Each basket of strawberries weighs 60 grams. How many baskets can be filled from 500 grams of strawberries?

Are there any distractors?

Algebra 1

■ If $x = -7$, then $-x =$

$$A = -7$$

$$B = -1/7$$

$$C = 1/7$$

$$D = 7$$

are there any **distractors**?

Algebra 1

- If x is an integer, what is the solution to $|x-3| < 1$?

$$A = (-3)$$

$$B = (-3, -2, -1, 0, 1)$$

$$C = (3)$$

$$D = (-1, 0, 1, 2, 3,)$$

Are there any **distractors**?

Algebra 1

- Which of the following is equivalent to $4(x+5) - 3(x+2) = 14$?

$$A = 4x + 20 - 3x - 6 = 14$$

$$B = 4x + 5 - 3x + 6 = 14$$

$$C = 4x + 5 - 3x + 2 = 14$$

$$D = 4x + 20 - 3x - 2 = 14$$

Are there any distractors?

Algebra 1

- Solve for X.

$$5(2x-3) - 6x < 9$$

$$A = x < -1.5$$

$$B = x < 1.5$$

$$C = x < 3$$

$$D = x < 6$$

Are there any distractors?