

# GED Mathematics

## 1. CORRECT TEXT

A CD club offered Kathy 8 CDs for \$1.00 each if she would purchase 8 more at \$12.00 each. In dollars, what is the total amount that Kathy would pay for all 16 CDs?

A. 104dollars

Answer(s): A

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2.

Parking Fees	
One Hour or less	\$5.00
Additional for each hour (or fraction of) after first hour	\$1.00
Maximum daily charge	\$10.00
Monthly rental	\$120.00

Adrienne entered the garage at 10:00 A.M. and left at 10:35 A.M. that same day. What did she have to pay for parking?

A. \$0.35

B. \$1.00

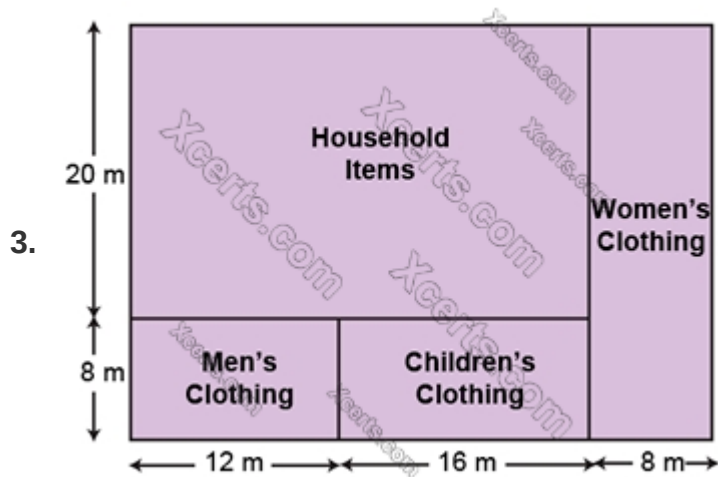
C. \$1.35

D. \$5.00

E. \$5.35

Answer(s): D

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Approximately what percent of the floor area of the warehouse was used for the sale of household items?

A. 22%

B. 48%

C. 56%

D. 71%

E. 78%

**Answer(s): C**

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4. The weight of a can of soup is listed as 10.8 ounces, or 306 grams. A larger can of the same soup weighs 18.8 ounces.

Which of the following is closest to the weight, in grams, of the larger can of soup?

A. 520

B. 530

C. 540

D. 550

E. 560

**Answer(s): B**

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**5. CORRECT TEXT**

Seats in an auditorium are numbered in order from 1 to 150. The seat that is numbered 7 and every 35th seat thereafter has a card taped beneath it to indicate that the person sitting there has won a prize.

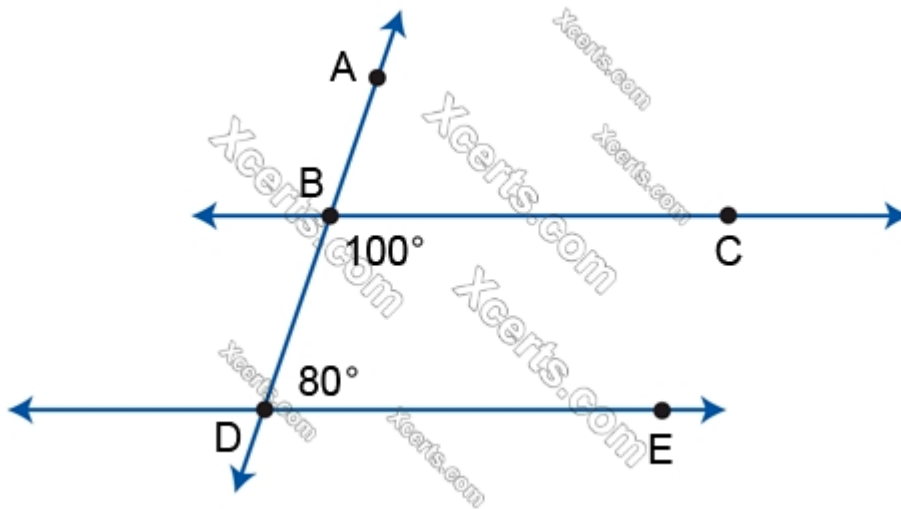
What is the highest numbered seat in which a person can win a prize?

A. 147seat

**Answer(s): A**

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6.



In the figure below, two parallel lines are intersected by a straight line.  
What is the measure of angle ABC?

A.  $10^\circ$

B.  $20^\circ$

C.  $80^\circ$

D.  $100^\circ$

E.  $120^\circ$

**Answer(s): C**

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## 7. CORRECT TEXT

A certain car can be ordered in 6 different paint colors, 3 different styles of interiors, and 2 different accessory packages. From how many different cars of this type can a customer choose?

A. 36cars

**Answer(s):** A

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8. Lamar is three weeks late in collecting money from his newspaper customers. If he has 25 customers and each owes \$4 per week, what expression equals the total number of dollars due for the 3 weeks?

A.  $25(4)(3)$

B.  $25(3)(3)$

C.  $25(4)(12)$

D.  $25(3)(12)$

E. Not enough information is given.

**Answer(s):** A

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9. A real estate agent has an appointment to show a house to a couple who lives out of town. It will take the couple  $2\frac{1}{2}$  hours to drive to the house, but the real estate agent can get there in 45 minutes.

If the couple left at 15 P.M., at what time should the real estate agent leave to arrive at the house at the same time?

A. 00 P.M.

B. 00 P.M.

C. 35 P.M.

D. 10 P.M.

E. 30 P.M.

**Answer(s): B**

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**10.** For the weekend sale, a department store reduced the price of all merchandise by 15% of the list price. What is the sale price of a pair of running shoes whose list price is \$72.00?

A. \$10.80

B. \$15.00

C. \$57.00

D. \$61.20

E. \$70.85

**Answer(s): D**

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**11.** To create a vegetable garden, Lian plans to enclose a 200-square-foot portion of her backyard with fencing. How many feet of fencing will she need?

A. 60

B. 66

C. 90

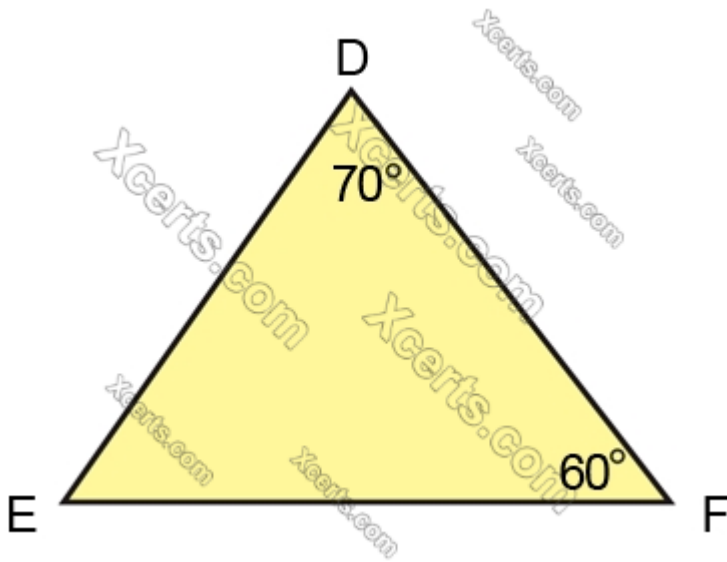
D. 108

E. Not enough information is given.

**Answer(s): E**

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12.



What is the measure of angle E?

A.  $70^\circ$

B.  $65^\circ$

C.  $60^\circ$

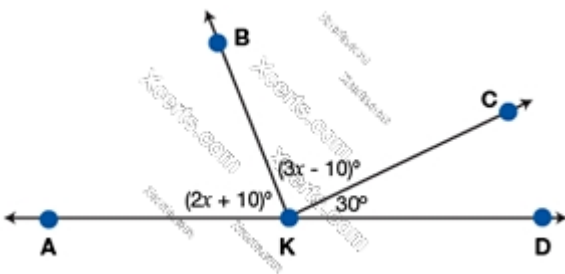
D.  $50^\circ$

E. Not enough information is given.

Answer(s): D

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13. In the diagram below, K is a point on line AD.



What is the measure, in degrees, of angle BKC?

A. 30

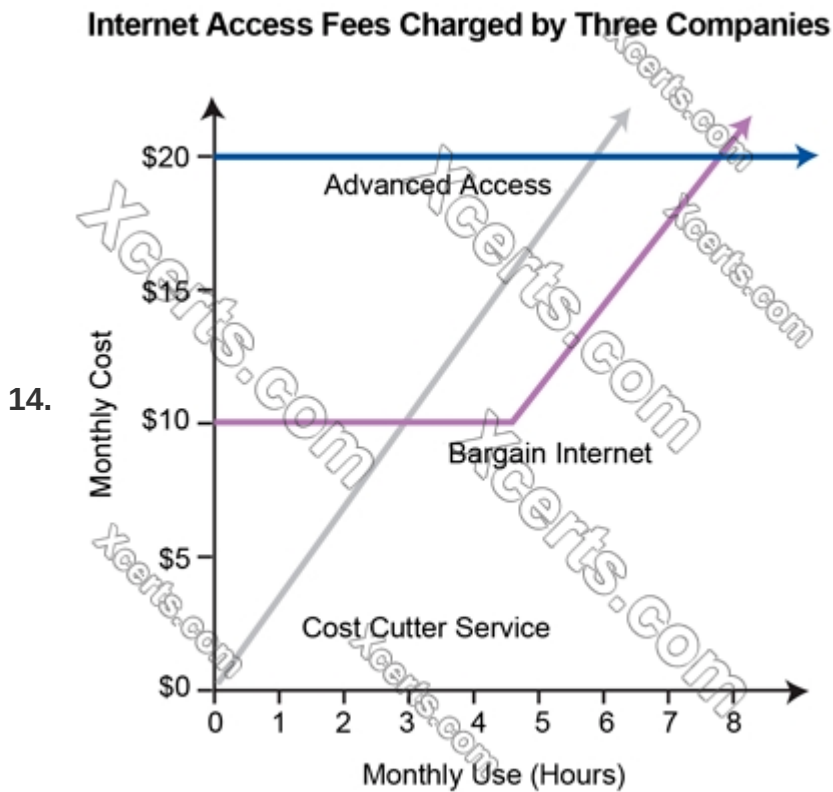
B. 42

C. 70

D. 80

E. 116

Answer(s): D



The slope of the function gives the cost per hour for using each Internet service. To the nearest whole dollar, what is the approximate cost per hour for using the Cost Cutter Service?

A. \$1

B. \$3

C. \$5

D. \$6

E. \$8

Answer(s): B

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15. Of the first 80 customers entering a store, 35% purchased at least one item.  
How many of the first 80 customers purchased at least one item?

A. 20

B. 28

C. 30

D. 35

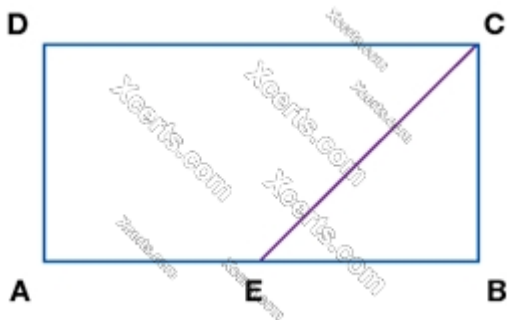
E. 52

**Answer(s): B**

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16. CORRECT TEXT

In the diagram below, ABCD is a rectangle, and  $BE = BC$



What is the measure, in degrees, of angle AEC?

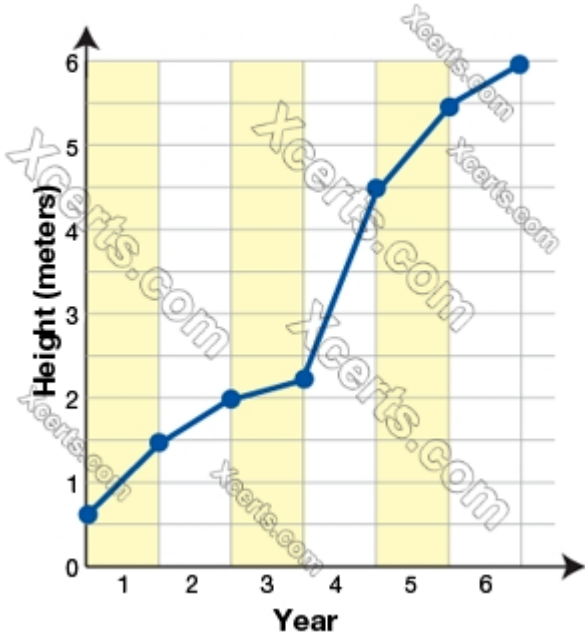
A. 135degrees

**Answer(s): A**

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**Tree Growth**



17.

During which year did the height of the tree first exceed 3 meters?

A. 1

B. 2

C. 3

D. 4

E. 5

**Answer(s):** D

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**18.** A shipment of 84 cell phones was sent in two types of boxes. Some boxes contained 6 phones and others contained 8 phones. An equal number of each type of box was used. How many of each type of box was used?

A. 6

B. 12

C. 36

D. 42

E. 48

**Answer(s): A**

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**19.** Gustavo bought 20 glasses for \$1.50 each and had to pay an 8% sales tax. Because he was sending them to a friend, he also had the glasses securely packed for an additional charge (not taxed) of \$6.95.

What was the total amount Gustavo paid for the glasses and packing?

A. \$ 8.57

B. \$18.95

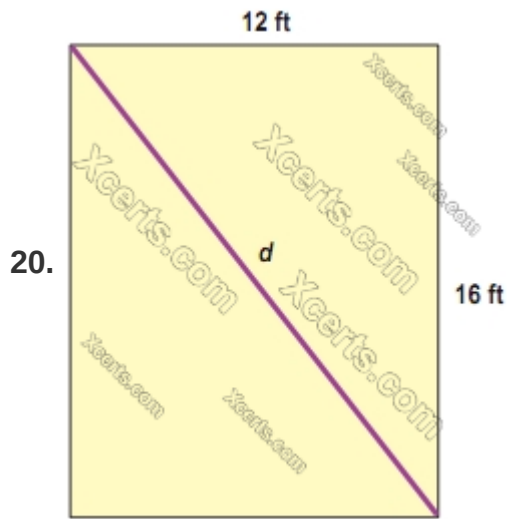
C. \$32.40

D. \$36.95

E. \$39.35

**Answer(s): E**

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A rectangular garden was separated into two equal areas by placing a fence along a diagonal of the rectangle, as shown in the diagram below.

What is the length ( $d$ ), in feet, of the diagonal fence?

A. 20

B. 22

C. 23

D. 26

E. 28

**Answer(s):** A

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