ANSWERS

QUESTIONS FOR GED MATH CLASS: TUESDAY, SEPTEMBER 14, 2010

Q1) Jeff makes a $1750 down payment on a $13,275 car. He finances the remainder of the purchase with a five year, 5.3% loan. What is the total amount of interest Juan pays for his vehicle loan?

a) $3,054.13

b) $2,500

c) $1,311.75

d) $6,261.75

e) $3,113.75

Q2) Cora needs 690 square feet of sod to complete her new front lawn. Each piece of sod is 2 feet by 1 ½ feet. How many pieces of sod will she need to complete her lawn?

a) 197

b) 213

c) 340

d) 230

e) 453

Q3) Mai needs to feed 100 hungry campers lunch with 115 pounds of hamburger meat. If each burger is a 1/4 lb. in weight, how many days can she feed all of the campers?

a) 10

b) 4

c) 5

d) 7

e) 6

Q4) There are a total of 1075 employees at EnMotion, Inc. 735 employees are production workers, 105 are engineers and the rest are administrative and management employees. What is the ratio of administrative and management employees to production workers?

Accepted answers
47/147
47 to 147
47:147

Q5) Sue drove 175 miles from Henderson to Thamesville in 3 hours. Driving at the same rate of speed, she then drove 325 miles from Thamesville to Shasta. Which expression shows how many hours would it take her to make the 325 mile drive from Thamesville to Shasta?
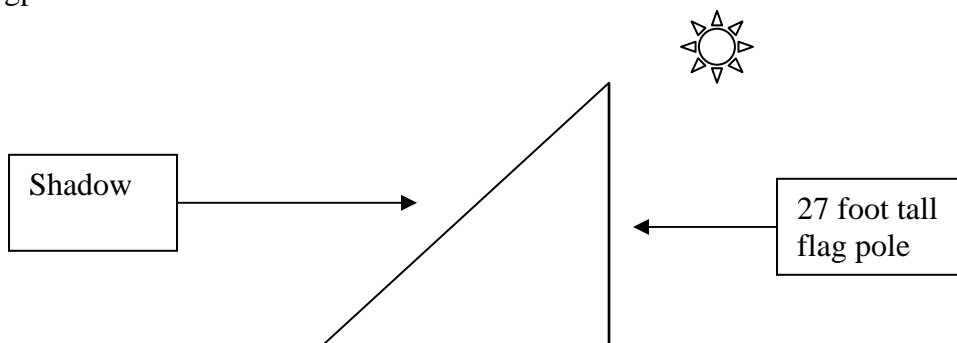
a. (3 X 325) + 175

b. 175 X 3 ÷ 325

c. (325 + 175) ÷3

d. (3 X 325) ÷ 175

e. (3 X 175) ÷ 325

Q6) At noon, the Flagpole casts a shadow that is 30 feet long. What is the distance from the base of the flagpole to the end of the shadow?

Shadow

27 foot tall
flag pole

Q7) What is the difference between the average number of breakfast customers and the average number of lunch customers served at Ben's I'm Closed on Saturday's Café the week of August 13?

BEN'S I'M CLOSED ON SATURDAY'S CAFÉ

Breakfast and Lunch Sales Week of August 13

	SUN	MON	TUES	WED	THURS	FRI
Breakfast	498	225	239	265	278	301
Lunch	444	602	634	534	622	830

a. 310

b. 301

c. 411

d. 611

e. 676

Q8) Mable bought a $3,000 diamond ring that was originally $3,850. What percent off did she receive on her purchase?
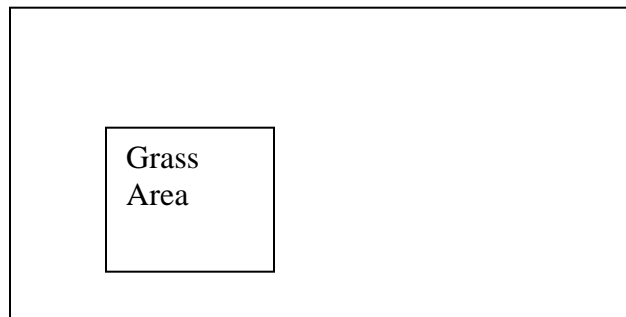
a. 77%

b. 28%

c. 78%

d. 27%

e. 22%

Q9) Finn needs to fill the tank below with water from a garden hose. It takes one and a half hours to fill 3000 cu. ft. of the tank. If the water flows from the hose at a constant rate, how many hours will it take to fill the tank below?

10

12

75

Q10) The playground, 600 feet long by 210 feet wide was completely asphalt, with the exception of 40 feet by 60 feet area of grass. How many square feet of the playground area is asphalt? How would you solve this question? You may select more than one answer.

Grass Area

a) Find the area of the playground (600 X 210), and then find the area of the grass patch (60 X 40), and then subtract the area of grass area from the total playground area
b) Find the area of the playground (600 X 210)
c) Find the area of the grass patch (60 X 40)
d) Find the area of the grass patch (60 X 40), find the area of the playground (600 X 210), then subtract the area playground area from the grass area
e) Not enough information given.