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☒ A
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- A security business invoices its 30,800 customers on the first day of each month, with each of two computers doing half the job. One invoicing machine produces at the rate of 7,700 per hour, and the other at the rate of 6,800 per hour. When the first computer finishes its run, how many invoices did the second computer still need to produce?
☐ 1525 ☐ 1750 ☐ 1200 ☐ 1400 ☐ 1800
- An airport employee checked a group of passengers through security on Thursday. On Friday, she checked three times as many passengers, and on Saturday she processed 5,000 passengers through security. In the 3 days, she processed 15,000 passengers. How many did she process on Friday?
☐ 3000 ☐ 5000 ☐ 7500 ☐ 2000 ☐ 1000
- A tortilla maker produces 100 tortillas in half an hour. If he works from 9 am to 5 pm with a one hour lunch and two 15-minute breaks, how many tortillas will he have made?
☐ 1225 ☐ 900 ☐ 1300 ☐ 650 ☐ 800
- A vacuum cleaner manufacturer offers to its customers two models, three choices of colors, and six accessory packages. How many vacuum sets are required for a complete display?
☐ 12 ☐ 48 ☐ 24 ☐ 56 ☐ 36

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- The average length of time that three lawn mowers operate on a given day is 930 minutes. None of the mowers operates for less than 900 minutes. What is the greatest possible length of time any of the mowers operates?
☐ 950 ☐ 930 ☐ 960 ☐ 990 ☐ 900
- Within a computer service company, 20 percent of the male employees and 30 percent of the female employees attend night school. If 40 percent of all employees are male, what percent of all the employees attend night school?
☐ 26% ☐ 30% ☐ 27.5% ☐ 20% ☐ 25%
- In a work-out facility, there are two racks with 40 towels per rack. On Tuesday, there were 30 towels in use, on Wednesday 50, and on Thursday 25. What fraction, on average, is in use for the 3 days?
☐ 1/4 ☐ 7/16 ☐ 3/8 ☐ 2/3 ☐ 1/2
- A company rented a copier for \$600 per month. Five years later, an accountant calculated that if the company had purchased the copier and paid a \$100 monthly maintenance charge, the company would have saved \$700. What was the purchase price of the copier?
☐ \$25,000 ☐ \$27,250 ☐ \$26,000 ☐ \$30,000 ☐ \$29,300

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An accounting machine operator wanted to divide an 85-minute job between two identical machines so that one machine would take one and a half times as long as the other. How much time (in minutes) was taken by the machine doing the longer job?

- ☐ 34 ☐ 51 ☐ 40.5 ☐ 64 ☐ 57

Clear

If a salesman averages a new order every other week, he will break the office record for the year. However, after 28 weeks he is four orders behind schedule. In what proportion of the remaining weeks does he have to obtain a new order to break the record?

- ☐ 1/5 ☐ 4/5 ☐ 7/10 ☐ 2/3 ☐ 3/5

Clear

A new cosmetic product costs 74 cents each to manufacture, and 67 cents each to market. If 40,000 will be sold, what must the price of each product be to provide a profit of 25% of the price?

- ☐ \$1.75 ☐ \$1.50 ☐ \$1.67 ☐ \$1.88 ☐ \$1.40

Clear

A tape manufacturer reduces the price of its Heavy Duty Tape from \$30 to \$28 a reel, and the price of Regular Tape from \$20 to \$19 a reel. A computing center normally spends \$1600 per month for tapes and 3/5 of this for Heavy Duty Tapes. How much will they save per month under the new prices?

- ☐ \$76 ☐ \$96 ☐ \$70 ☐ \$90 ☐ \$108

Clear

A printer has an original value of \$6000. If it depreciates at the rate of 7 percent of the original cost per year, what is its value at the end of 8 years?

- ☐ \$4000 ☐ \$3360 ☐ \$2640 ☐ \$1960 ☒ \$4280

Clear

In a programming team of 20 persons, $\frac{1}{4}$ are women and $\frac{3}{4}$ are men. To obtain a team with 40% women, how many women should be hired?

- ☐ 10 ☐ 15 ☐ 5 ☐ 3 ☒ 8

Clear

A company figured it needed 56.5 square feet of carpet for its reception room. To allow for waste, it was decided to order 30 percent more material than needed. Fractional parts of square feet cannot be ordered. At \$7.00 per square foot, how much would the carpet cost?

- ☐ \$768 ☐ \$405 ☐ \$216 ☐ \$880 ☒ \$518

Clear

In the construction of a new building, a landscape architect determined that he had a plot 810 feet by 35 feet, to be filled to a depth of 6 inches with loam. How many cubic yards of loam would he require?

- ☐ 525 ☐ 700 ☐ 900 ☐ 850 ☒ 1025

Clear