



# MIXED REVIEW FOR TEKS



**TAKS PRACTICE**  
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## Lessons 3.1–3.4

### MULTIPLE CHOICE

1. **VOLCANOS** The eruption of Mount St. Helens in 1980 decreased its elevation by 1313 feet. The current elevation is 8364 feet. What was the volcano's elevation before the eruption? **TEKS a.1**

(A) 7051 ft      (B) 8233 ft  
(C) 8495 ft      (D) 9677 ft



2. **SKIING** A ski resort offers a super-saver pass for \$90 that allows you to buy lift tickets at half price. If you buy the pass, the cost (in dollars) of buying  $t$  tickets is  $90 + 22.5t$ . Otherwise the cost is  $45t$  dollars. How many lift tickets would a skier have to buy for the two costs to be equal? **TEKS A.4.A**

(F) 2 tickets      (G) 4 tickets  
(H) 6 tickets      (J) 8 tickets

3. **CONCERTS** Eight friends buy tickets to a concert. Three of the tickets cost \$24 each, and the remaining tickets cost \$28 each. What is the mean cost? **TEKS a.1**

(A) \$25.50      (B) \$26.00  
(C) \$26.50      (D) \$27.00

4. **BOWLING** A bowling alley charges \$1.50 to rent bowling shoes and \$3.75 for each game. Matt and Veronica have a total of \$25 to spend at the bowling alley. Matt brings his own shoes, but Veronica rents hers. They each bowl 2 games. How much money do they have left? **TEKS a.6**

(F) \$7.00      (G) \$8.50  
(H) \$9.50      (J) \$16.50

5. **ORIGAMI** You are folding origami cranes to be used as wedding decorations. If you fold cranes for 1 hour without a break, you can make 40 cranes. During a 3 hour period, you made 100 cranes. How much time did you spend taking a break? **TEKS a.6**

(A) 20 min      (B) 25 min  
(C) 30 min      (D) 40 min

6. **LOANS** You borrow \$432 from your friend. You set up a payment plan in which you initially pay your friend \$60 and then pay back the rest in equal weekly payments for the next 12 weeks. If you assume no interest, how much are your weekly payments to your friend? **TEKS a.6**

(F) \$31      (G) \$36  
(H) \$124      (J) \$144

7. **CATS** Last year you adopted a cat from a local shelter for a \$60 donation. Over the past year, you spent a total of \$600 on the cat. You spent \$300 on vet visits, and the rest of the cat's expenses came from food and litter. If there are no other costs, what were your mean monthly expenses on food and litter for the first year? **TEKS a.6**

(A) \$20      (B) \$30  
(C) \$240      (D) \$360

### GRIDDED ANSWER 0 1 2 3 4 5 6 7 8 9

8. **BIRDS** A bird cage containing 4 parrots is placed on a scale and weighs 20 pounds. The bird cage alone weighs 8 pounds. What is the mean weight (in pounds) of the parrots? **TEKS a.6**

9. **GEOMETRY** The triangle below has a perimeter of 82 inches. What is the value of  $x$ ? **TEKS a.1**

