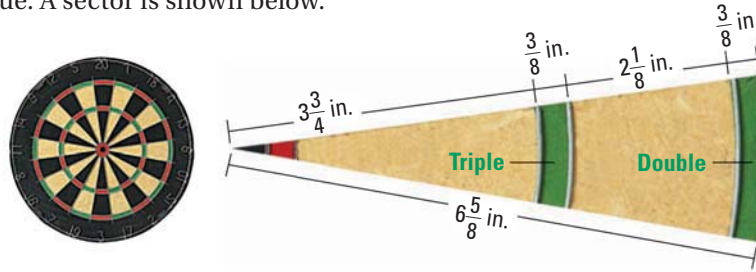


54. **CHALLENGE** A dartboard is divided into 20 sectors. Each sector is worth a point value from 1 to 20 and has shaded regions that double or triple this value. A sector is shown below.



- Find the areas of the entire sector, the double region, and the triple region.
- A dart you throw randomly lands somewhere inside the sector. What is the probability that it lands in the double region? in the triple region?



MIXED REVIEW FOR TAKS

TAKS PRACTICE at classzone.com

REVIEW

Lesson 1.5;
TAKS Workbook

55. **TAKS PRACTICE** Lou saves \$12 per week to buy an acoustic guitar that costs \$280. Which equation best represents the relationship between the amount of money Lou still needs to save, m , and the number of weeks, n , that he has been saving? **TAKS Obj. 1**

- (A) $m = 280 + 12n$ (B) $m = 280 - 12n$
(C) $m = (280 + 12)n$ (D) $m = (280 - 12)n$

REVIEW

Lesson 10.5;
TAKS Workbook

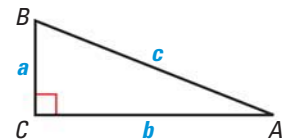
56. **TAKS PRACTICE** Stewart randomly selects two cards from a standard deck of 52 cards. What is the probability that the first card is a heart and the second card is red if he replaces the first card before selecting the second? **TAKS Obj. 9**

- (F) 0.063 (G) 0.123 (H) 0.125 (J) 0.75

QUIZ for Lessons 13.1–13.2

Solve $\triangle ABC$ using the diagram and the given measurements. (p. 852)

- $A = 50^\circ$, $a = 14$
- $A = 25^\circ$, $b = 10$
- $B = 70^\circ$, $a = 5$
- $B = 42^\circ$, $c = 18$
- $A = 15^\circ$, $a = 9$
- $B = 37^\circ$, $c = 12$



Find one positive angle and one negative angle that are coterminal with the given angle. (p. 859)

- 115°
- 290°
- $\frac{4\pi}{9}$
- $\frac{7\pi}{5}$
- Find the arc length and area of a sector with a radius of 8 inches and a central angle of $\theta = 115^\circ$. (p. 859)
- ESCALATOR** The escalator at the Wilshire/Vermont Metro Rail Station in Los Angeles has an angle of elevation of 30° . The length of the escalator is 152 feet. What is the height of the escalator? (p. 852)