49. PET STORE A pet store has 8 black Labrador retriever puppies (5 females and 3 males) and 12 yellow Labrador retriever puppies (4 females and 8 males). You randomly choose one of the Labrador retriever puppies. What is the probability that it is a female or a yellow Labrador retriever?

50. CHALLENGE You own 50 DVDs consisting of 25 comedies, 15 dramas, and 10 thrillers. You randomly pick 4 movies to watch during a long train ride. What is the probability that you pick at least one DVD of each type of movie?

MIXED REVIEW FOR TAKS

TAKS PRACTICE at classzone.com

REVIEW
Lesson 1.6;
TAKS Workbook

51. TAKS PRACTICE Amy and 7 other students have a bowling party for the math club. The club will pay for bowling, shoe rental, and snacks for all 8 students. The total cost must be at most $80. Each person bowls the same number of games. What is the maximum number of games that each student can bowl? *TAKS Obj. 10*

Bowling	$2.70 per person, per game
Shoe rental	$1.25 per person
Snacks	$2.80 per person

(A) 1 (B) 2 (C) 3 (D) 4

REVIEW
TAKS Preparation p. 146;
TAKS Workbook

52. TAKS PRACTICE A centrifuge used to train pilots can move 98 ft/sec while making 47 rotations per minute (rpm). If the centrifuge is moving 80 ft/sec, what is a reasonable estimate of its rotational speed? *TAKS Obj. 9*

(F) 38.4 rpm (G) 39.6 rpm (H) 57.6 rpm (J) 166.8 rpm

QUIZ *for Lessons 10.3–10.4*

A card is randomly drawn from a standard deck of 52 cards. Find the probability of drawing the given card. *(p. 698)*

1. The queen of hearts **2.** An ace **3.** A diamond

4. A red card **5.** A card other than a 10 **6.** The 6 of clubs

You randomly select a marble from a bag. The bag contains 8 black, 13 red, 7 white, and 12 blue marbles. Find the indicated odds. *(p. 698)*

7. In favor of choosing blue **8.** In favor of choosing black or white

9. Against choosing red **10.** Against choosing red or white

Find the indicated probability. *(p. 707)*

11. $P(A) = 0.6$
$P(B) = 0.35$
$P(A \text{ or } B) =$?
$P(A \text{ and } B) = 0.2$

12. $P(A) =$?
$P(B) = 0.44$
$P(A \text{ or } B) = 0.56$
$P(A \text{ and } B) = 0.12$

13. $P(A) = 0.75$
$P(B) =$?
$P(A \text{ or } B) = 0.83$
$P(A \text{ and } B) = 0.25$

14. $P(A) = 8\%$
$P(B) = 33\%$
$P(A \text{ or } B) = 41\%$
$P(A \text{ and } B) =$?

15. COMPUTERS A manufacturer of computer chips finds that 1% of the chips produced are defective. What is the probability that out of 8 chips, at least 2 are defective? *(p. 707)*