



Objective 5 TEKS 6.9.A Practice

1. A company produces baseballs and softballs in white or orange. Which table shows all the possible ball combinations the company offers?

A

Ball	Color
Baseball	White
Baseball	Orange
Softball	White
Softball	Orange

B

Ball	Color
Baseball	White
Baseball	White
Softball	Orange
Softball	Orange

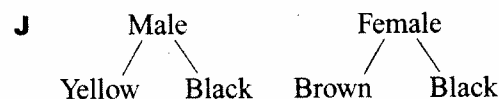
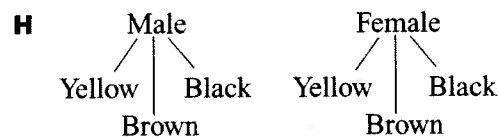
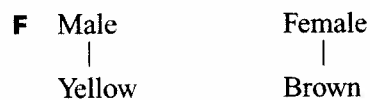
C

Ball	Color
Baseball	White
Softball	Orange

D

Ball	Color
Baseball	White
Softball	Orange
Baseball	White
Softball	Orange

2. A Labrador retriever can be male or female, and yellow, brown, or black. Which tree diagram shows all the possible combinations?



3. A company produces 2 different handheld video game systems. Each is offered in grey, black, or clear. Which table shows all of the possible combinations of the game systems the company offers?

A

System	Color
A	Grey
B	Black
A	Clear

B

System	Color
A	Grey
A	Black
B	Clear
B	Grey

C

System	Color
A	Grey
A	Grey
A	Black
B	Black
B	Clear
B	Clear

D

System	Color
A	Grey
A	Black
A	Clear
B	Grey
B	Black
B	Clear

- 6.9.A** When you finish this page, you can check off a box on your TEKS Tracker, page 55.



Objective 5 TEKS 6.9.B Practice

1. Mike chooses a card at random from the letter cards shown below.

I	N	C	R	E	D	I	B	L	E
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What is the probability the card chosen is a vowel?

- A $\frac{1}{4}$ B $\frac{2}{5}$
C $\frac{1}{2}$ D $\frac{3}{5}$

2. Hue chooses a card at random from the letter cards shown below.

H	A	W	A	I	I
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What is the probability the card chosen is not a vowel?

- F $\frac{1}{6}$ G $\frac{1}{3}$
H $\frac{2}{3}$ J $\frac{5}{6}$

3. Emma chooses a card at random from the letter cards shown below.

S	A	T	U	R	A	T	E
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What is the probability the card chosen has a consonant immediately before it in the word?

- A 0 B $\frac{3}{7}$
C $\frac{4}{7}$ D 1

4. Mr. Lang, the art teacher, has 2 drawing projects, 4 painting projects, and 2 sculpture projects. He randomly chooses one project for his class. What is the probability it is a drawing project?

- F $\frac{1}{4}$ G $\frac{1}{3}$
H $\frac{1}{2}$ J $\frac{2}{3}$

5. Satchi is assigned a whole number at random from the numbers 0–8 for a game at a summer camp. What is the probability that the number she is assigned is an even number?

- A $\frac{4}{9}$ B $\frac{1}{2}$
C $\frac{5}{8}$ D $\frac{5}{9}$

6. Tyrone's aquarium has 8 neon tetras, 4 swordtails, and 6 zebra danios. What is the probability that a fish caught at random from the aquarium is **not** a swordtail?

- F $\frac{7}{9}$ G $\frac{4}{9}$
H $\frac{2}{7}$ J $\frac{2}{9}$

7. The numbers of servings of fruit Consuela ate each day the past week were 3, 2, 4, 0, 4, 5, and 2. If a day of the week is chosen at random, what is the probability that Consuela had a least 4 servings of fruit on that day?

- A $\frac{1}{7}$ B $\frac{2}{7}$
C $\frac{3}{7}$ D $\frac{4}{7}$

8. The numbers below are the days of the month on which class members' birthdays fall. What is the probability that a class member does **not** share the same number with another class member?

13	16	4	12	31	2
10	17	26	14	30	8
14	22	11	7	20	4

- F $\frac{1}{9}$ G $\frac{2}{9}$
H $\frac{7}{9}$ J $\frac{8}{9}$

- 6.9.B** When you finish this page, you can check off a box on your TEKS Tracker, page 55.