



Objective 2 TEKS 6.3.A Practice

- The school chorus has 15 sopranos and 40 tenors. What is the ratio of sopranos to tenors?

A 1 to 3 B 3 to 8
C 5 to 8 D 8 to 3
- A nursery has 36 maple trees and 16 elm trees. What is the ratio of maple trees to elm trees?

F $\frac{2}{9}$ G $\frac{4}{9}$
H $\frac{9}{2}$ J $\frac{9}{4}$
- There are 12 rides at the amusement park and 48 riders. Which ratio compares the number of riders to the number of rides?

A 1:4 B 3:12
C 4:1 D 12:48
- There are 60 students in the sixth grade at Brown Middle School. There are 36 sixth grade girls. What is the ratio of sixth grade girls to the total number of sixth grade students?

F 1 to 6 G 3 to 5
H 5 to 3 J 5 to 1
- The ratio of mammals to birds in the zoo is 3 to 4. Which of these shows possible numbers of mammals and birds in the zoo?

A 21 mammals, 42 birds
B 36 mammals, 48 birds
C 42 mammals, 21 birds
D 48 mammals, 36 birds
- Kayla counted the number of animals drinking from the river one night. She counted 6 elephants and 39 zebras. What was the ratio of elephants to zebras?

F 1:6 G 2:13
H 6:1 J 13:2
- The ratio of cars to trucks passing through a survey point was 5 to 2. Which of these shows the possible number of cars and trucks counted in the survey?

A 25 cars, 4 trucks
B 24 cars, 60 trucks
C 35 cars, 7 trucks
D 60 cars, 24 trucks
- A recipe for punch calls for 0.5 cup of mango juice and 5 cups of orange juice. What is the ratio of mango juice to orange juice?

F $\frac{1}{10}$ G $\frac{1}{2}$
H $\frac{0.5}{1}$ J $\frac{10}{1}$
- Carlos receives an average of 24 e-mail messages per day but 16 of them are spam. What is the ratio of spam to non-spam messages?

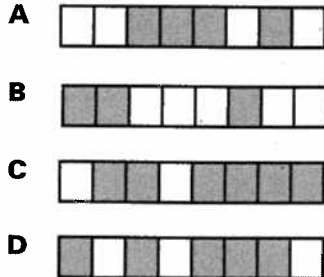
A 2 to 5 B 2 to 3
C 3 to 2 D 2 to 1

- 6.3.A** When you finish this page, you can check off a box on your TEKS Tracker, page 21.



Objective 2
TEKS 6.3.B Practice

1. Each figure below is divided into sections of equal size. Which figure has 62.5% of its total area shaded?



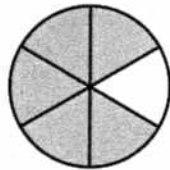
2. A magazine held a short story contest. The magazine printed 16% of the stories. What fraction of the stories did the magazine print?

- F** $\frac{1}{16}$ **G** $\frac{4}{25}$
H $\frac{2}{5}$ **J** $\frac{8}{5}$

3. A bakery asked its customers to name their favorite bread. Whole-wheat crunch was the favorite of $\frac{3}{5}$ of the customers. What percent of the customers said whole-wheat crunch was their favorite bread?

- A** 4% **B** 6%
C 40% **D** 60%

4. The circle is divided into sections of equal size. What percent of the circle is shaded?



- F** 1.2% **G** 8.3%
H 83.3% **J** 120%

5. At Appleton Middle School, 48% of the students ride a bus to school. What fraction of the students rides a bus to school?

- A** $\frac{12}{25}$ **B** $\frac{13}{25}$
C $\frac{25}{13}$ **D** $\frac{25}{12}$

6. At summer camp, 85% of the campers signed up for hiking. What decimal represents the percent of campers who did **not** sign up for hiking?

Record your answer and fill in the bubbles in the grid below. Be sure to use the correct place value.

0	0	0	0	.	0	0
1	1	1	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	9		9	9

7. In a store, 22% of the shelf space in one aisle is used to display bottled waters. What fraction of the shelf space does this represent?

- A** $\frac{1}{22}$ **B** $\frac{1}{5}$
C $\frac{11}{50}$ **D** $\frac{2}{9}$

- 6.3.B** When you finish this page, you can check off a box on your TEKS Tracker, page 21.



Objective 2
TEKS 6.3.C Practice

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1. There must be 2 adults for every 15 students going on a field trip. If 75 students are going on a field trip, how many adults must go?

A 5 **B** 10
C 15 **D** 30

2. The ratio of pine trees to fir trees in the park is 3 to 8. If there are 14 pine trees, about how many fir trees are there?

F 24 **G** 37
H 42 **J** 112

3. A car salesperson sells about 4 cars in 5 days. About how many cars will he sell in 34 days?

A 14 **B** 20
C 27 **D** 43

4. Raj makes pots using his potter's wheel. Today, he made 3 pots in 90 minutes. If Raj continues making pots at this rate, how many pots will he make in 4 hours?

F 6 **G** 8
H 120 **J** 270

5. Anna is watching a herd of sheep cross a trail in front of her. She counted 4 sheep in 12 seconds. If the sheep continue crossing at this rate, how many sheep will cross the trail in 3 minutes?

A 9 **B** 20
C 48 **D** 60

6. The ratio of large triangles to small triangles in Tonisha's design is about 4 to 9. If there are 15 small triangles, about how many large triangles are there?

F 7 **G** 15
H 34 **J** 36

7. At the computer factory, 3 out of a batch of 16 computers it produced were defective. If this rate is true for all of the computers the factory produces, how many defective computers would you expect in a batch of 96?

A 6 **B** 18
C 32 **D** 48

8. A recipe for salt modeling dough calls for 4 cups salt to every 3 cups flour. If Elena uses 12 cups of salt, how many cups of flour does she need to make the dough?

Record your answer and fill in the bubbles in the grid below. Be sure to use the correct place value.

0	0	0	0	.	0	0
1	1	1	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	9		9	9

9. At a busy street intersection, a traffic analyst counted 350 cars passing in 2 hours. If the traffic continues at this rate, about how many cars would you expect to pass in 9 hours?

A 78 **B** 350
C 1575 **D** 3150

6.3.C When you finish this page, you can check off a box on your TEKS Tracker, page 21.

TAKS 6.3.C Practice