

Nebraska State Accountability

**Grade 4
Mathematics
Practice Test**

Name:

Directions:

On the following pages are multiple-choice questions for the Grade 4 Practice Test, a practice opportunity for the *Nebraska State Accountability–Mathematics (NeSA–M)*.

Each question will ask you to select an answer from among four choices.

For all questions:

- Read each question carefully and choose the best answer.
- You may use scratch paper to solve the problems.
- The Mathematics Reference Sheet is provided in the back of the test booklet. You may refer to this page any time during the test.
- You may not use a calculator on this test.
- Be sure to answer ALL the questions.

Only one of the answers provided is the correct response.

1. What is the value of y in the number sentence $72 = 8y$?
- A. 8
 - B. 9
 - C. 64
 - D. 80

2. Use the table below to answer the question.

City Populations

City	Population
Amarillo	190,695
Brownsville	175,023
Grand Prairie	175,396
Round Rock	99,887

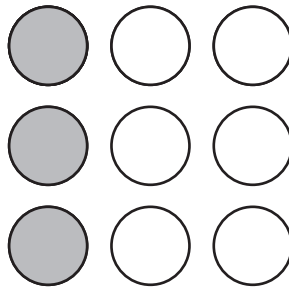
The table shows the population of four cities in 2010. Which comparison of the populations of the cities is correct?

- A. $175,023 < 175,396$
 - B. $175,023 > 190,695$
 - C. $190,695 < 175,396$
 - D. $99,887 > 175,396$
3. Which number correctly completes the addition sentence $1.5 + 2.38 = \underline{\quad}$?
- A. 2.53
 - B. 3.43
 - C. 3.80
 - D. 3.88

4. Which symbol correctly completes the number sentence $(4 \times 2) + 3 \triangle (4 \times 2) + 6$?

- A. +
- B. =
- C. \leq
- D. \geq

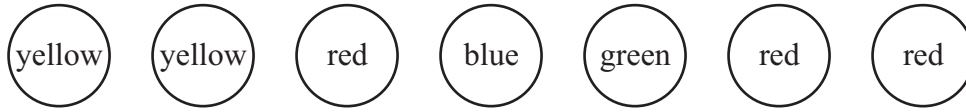
5. Use the picture below to answer the question.



What fraction of the circles are shaded?

- A. $\frac{1}{3}$
- B. $\frac{1}{2}$
- C. $\frac{3}{6}$
- D. $\frac{6}{9}$

6. Use the picture below to answer the question.



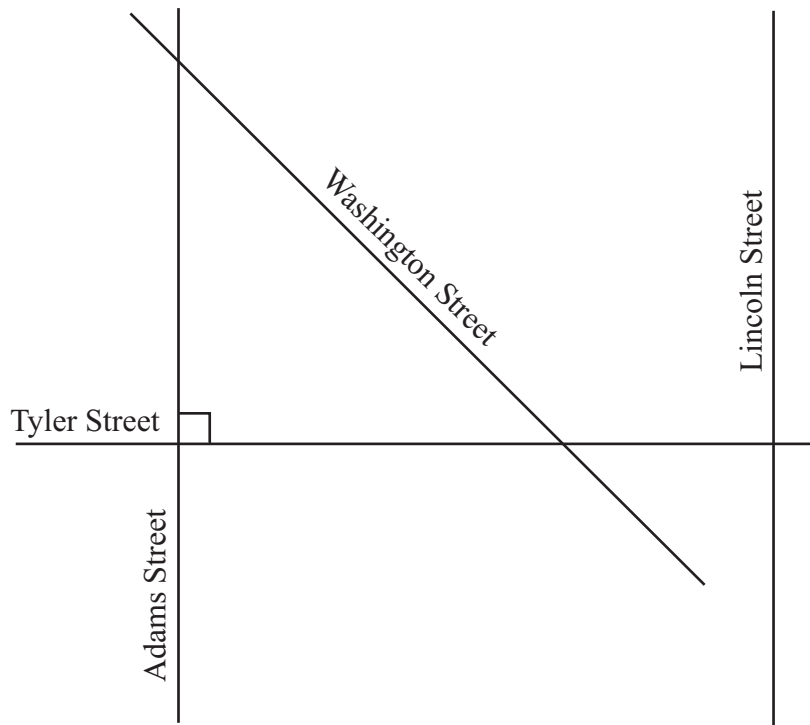
What fraction of the circles are red?

- A. $\frac{1}{4}$
- B. $\frac{1}{3}$
- C. $\frac{3}{7}$
- D. $\frac{3}{4}$
7. Which number makes the division sentence true?

$$86,000 \div \triangle = 86$$

- A. 1
- B. 10
- C. 100
- D. 1,000
8. Which number sentence is true?
- A. $0.01 > 0.10$
- B. $1.0 < 0.01$
- C. $0.1 = 0.10$
- D. $1.0 = 1.01$

9. Use the picture below to answer the question.

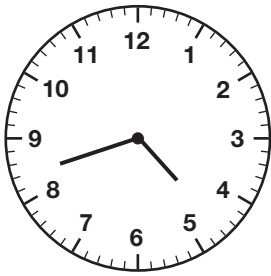


Which two streets intersect but are NOT perpendicular or parallel?

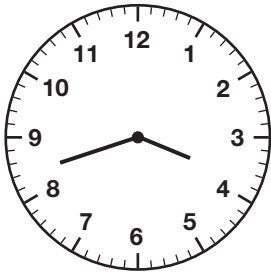
- A. Washington and Adams
 - B. Lincoln and Tyler
 - C. Tyler and Adams
 - D. Adams and Lincoln
10. Which number sentence shows the commutative property of multiplication?
- A. $(8 \times 6) \times 5 = 8 \times (6 \times 5)$
 - B. $(6 + 8) \times 5 = 8 \times (6 + 5)$
 - C. $(6 \times 8) \times 5 = (8 \times 6) \times 5$
 - D. $(8 \times 6) - 5 = (8 \times 5) - 6$

11. Which clock shows 4:42?

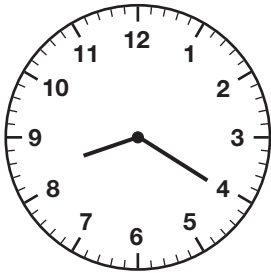
A.



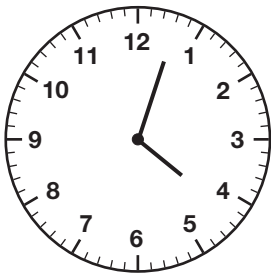
B.



C.



D.



12. Which metric unit is most appropriate for describing distance between Omaha, Nebraska, and Lincoln, Nebraska?

- A. centimeter
- B. kilometer
- C. meter
- D. millimeter

13. Use the picture below to answer the question.



Which shape is BEST represented by the sign?

- A. hexagon
- B. octagon
- C. pentagon
- D. triangle

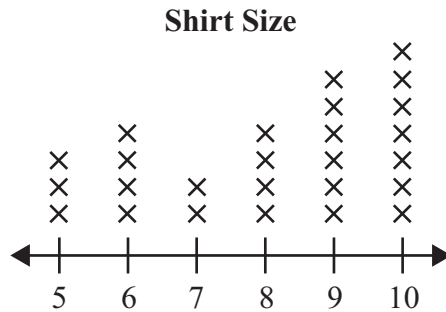
14. Use the table below to answer the question.

Year	Number of Students
1	321
2	352
3	383
4	414
5	?

The table shows the number of students at a new school each year after it opens. Based on the pattern, how many students will there be in Year 5?

- A. 434
- B. 435
- C. 444
- D. 445

15. Use the line plot below to answer the question.



A class is ordering shirts. How many students need a size 8 or larger?

- A. 10
- B. 13
- C. 17
- D. 26

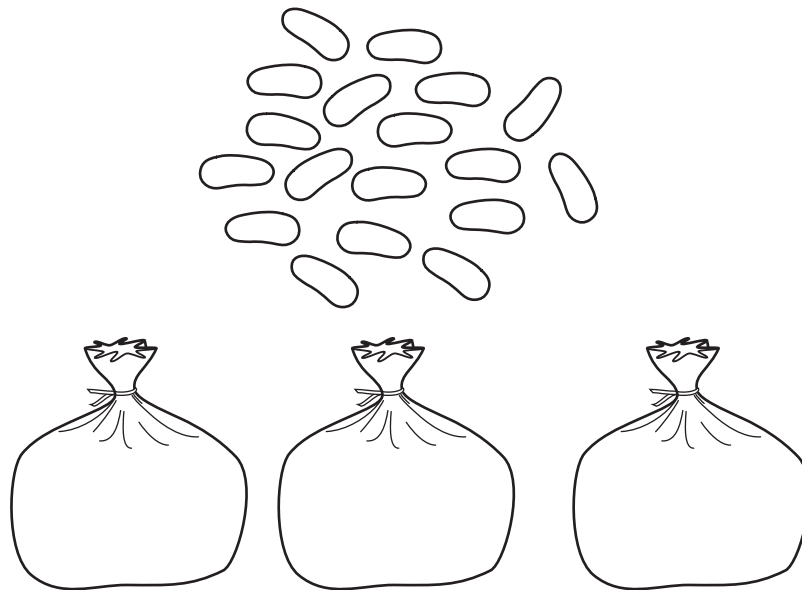
16. A line segment is 3 centimeters long. How many millimeters (mm) long is the line segment?

- A. 0.3 mm
- B. 3 mm
- C. 30 mm
- D. 300 mm

17. Mountain A is 1,507 feet above sea level. Mountain B is 3,620 feet above sea level. How many more feet above sea level is Mountain B than Mountain A?

- A. 1,507 feet
- B. 2,113 feet
- C. 3,620 feet
- D. 5,127 feet

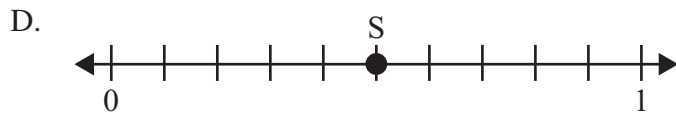
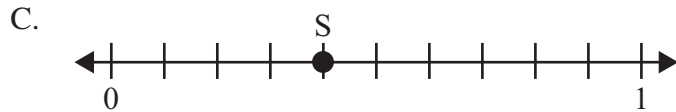
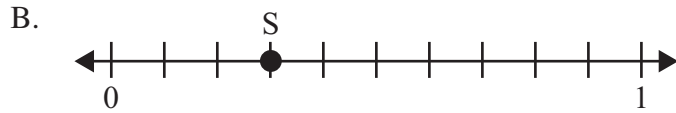
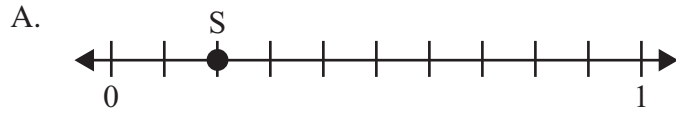
18. Use the picture below to answer the question.



Pat puts an equal number of jelly beans in each bag. Which number sentence shows this?

- A. $18 + 3$
 - B. $18 - 3$
 - C. 18×3
 - D. $18 \div 3$
19. Jill begins her homework at 6:30 p.m. It takes her 15 minutes to do her math assignment. She then spends 1 hour and 30 minutes writing an English essay. What is the earliest time Jill finishes her homework?
- A. 7:45 p.m.
 - B. 8:15 p.m.
 - C. 8:25 p.m.
 - D. 9:30 p.m.

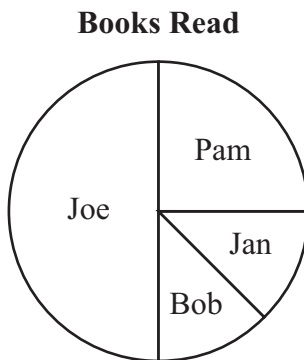
20. Which number line has S located at $\frac{3}{10}$?



21. Which number correctly completes the multiplication sentence $85 \times 16 = \underline{\quad}$?

- A. 101
- B. 595
- C. 1,360
- D. 1,660

22. Use the circle graph below to answer the question.



The Jones family likes to read books. Which chart accurately represents the circle graph?

A. **Books Read**

Student	Joe	Pam	Bob	Jan
Number of Books Read	12	6	4	4

B. **Books Read**

Student	Joe	Pam	Bob	Jan
Number of Books Read	14	6	3	3

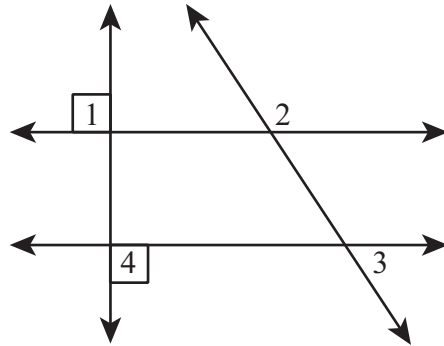
C. **Books Read**

Student	Joe	Pam	Bob	Jan
Number of Books Read	12	6	3	3

D. **Books Read**

Student	Joe	Pam	Bob	Jan
Number of Books Read	14	7	2	1

23. Use the picture below to answer the question.



Which angle is an obtuse angle?

- A. angle 1
- B. angle 2
- C. angle 3
- D. angle 4

NeSA-M Grade 4 Reference Sheet



Standard Units	Metric Units
Conversions – Length	
1 foot (ft) = 12 inches (in.)	1 centimeter (cm) = 10 millimeters (mm)
1 yard (yd) = 3 feet (ft) = 36 inches (in.)	1 meter (m) = 100 centimeters (cm)
1 mile (mi) = 1,760 yards (yd) = 5,280 feet (ft)	1 meter (m) = 1,000 millimeters (mm)
	1 kilometer (km) = 1,000 meters (m)

**Grade 4
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Answer Key**

1	B
2	A
3	D
4	C
5	A
6	C
7	D
8	C
9	A
10	C
11	A
12	B
13	C
14	D
15	C
16	C
17	B
18	D
19	B
20	B
21	C
22	C
23	B

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