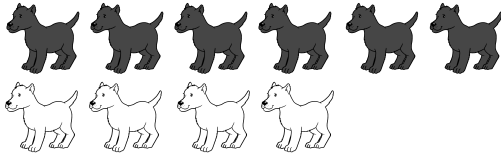


Standard: 4NS1.5

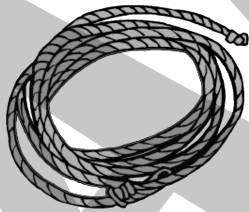
Explain different interpretations of fractions; explain equivalents of fractions—Exercise 4

1. Of the 10 puppies at an animal shelter, 6 are black. Which fraction is equal to $\frac{6}{10}$?



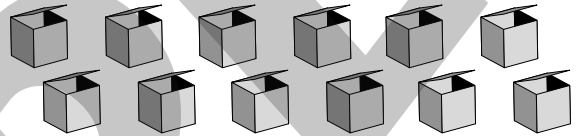
- A $\frac{2}{3}$
- B $\frac{3}{5}$
- C $\frac{2}{5}$
- D $\frac{1}{2}$

2. Mr. Snow cut 8 feet off a 12-foot piece of rope. Which fraction is equal to $\frac{8}{12}$ foot?



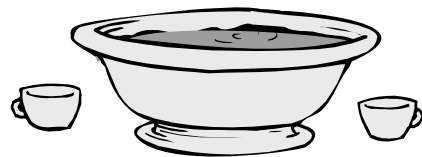
- A $\frac{1}{3}$ foot
- B $\frac{1}{2}$ foot
- C $\frac{3}{5}$ foot
- D $\frac{2}{3}$ foot

3. Carlos removed 9 of the 12 moving boxes from his room. Which fraction is equal to $\frac{9}{12}$?



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

4. To make a sherbet punch, Aaron must add $\frac{1}{2}$ gallon of sherbet. Which fraction is equal to $\frac{1}{2}$ gallon?



- A $\frac{2}{6}$ gallon
- B $\frac{4}{12}$ gallon
- C $\frac{4}{8}$ gallon
- D $\frac{2}{3}$ gallon

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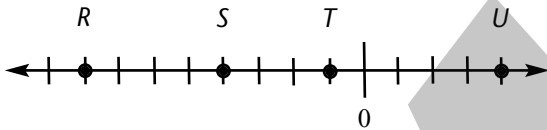
Standard: 4NS1.8

Use concepts of negative numbers—Exercise 4

1. If you begin at 12 and skip count backwards by 4, which set of numbers will you say?

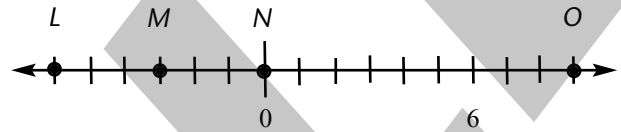
- A 8, 6, 2
- B 6, 4, 2
- C 4, 0, -4
- D 4, 0, -2

2. Which point **BEST** represents -4 on the number line below?



- A point R
- B point S
- C point T
- D point U

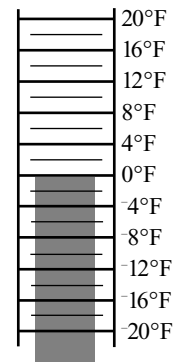
3. Jenny began at point 6 on the number line below.



If Jenny counted backward by 9, on which point of the number line did she stop?

- A point L
- B point M
- C point N
- D point O

4. Look at the thermometer below.



If the temperature drops by 8 degrees, what will the temperature be?

- A 8°F
- B 0°F
- C -6°F
- D -8°F

Standard: 4NS4.2

Know that numbers such as 2, 3, 5, 7, and 11 do not have factors except 1 and themselves and that such numbers are called prime numbers—Exercise 4

1. Twin primes are two prime numbers that have a difference of 2. Which of the following are twin primes?
 - A 2 and 3
 - B 7 and 9
 - C 11 and 13
 - D 19 and 21

2. Gina shaded all the prime numbers on a chart. The chart is shown below.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

Which number did Gina forget to shade?

- A 9
- B 13
- C 27
- D 39

3. Which of the following represents a prime number?

- A $2 \times 3 \times 5$
- B 2×3
- C 2×5
- D 1×3

4. Which set contains only prime numbers?

- A 21, 31, 41
- B 31, 33, 35
- C 41, 43, 47
- D 51, 54, 59

5. Which statement is true?

- A The only factors of 15 are 1 and 15.
- B The only factors of 16 are 1 and 16.
- C The only factors of 17 are 1 and 17.
- D The only factors of 18 are 1 and 18.