Are these comparisons true or false?

1) 2 hundreds + 3 ones > 5 tens + 9 ones _____

2) 9 tens + 2 hundreds + 4 ones < 924 _____

(2.NBT.A)

Tara had 37 red pens. She gave Jim 8 of her red pens.

How many red pens does Tara have now?
a. 29 b. 35 c. 39 d. 45

(2.OA.A.1)

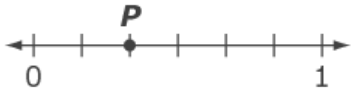
$8 + \square = 12$ $16 - 8 = \square$ $\square - 7 = 8$

(2.OA.B.2)

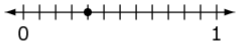
$9 \times 2 =$ ___	___ $\times 7 = 56$
$24 \div 6 =$ ___	$5 \times 8 =$ ___
$7 \times 6 =$ ___	$27 \div 3 =$ ___

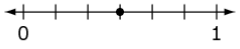
(3.OA.C.7)

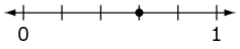
Look at point P on the number line.



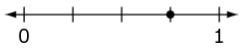
Look at number lines A – E. Is the point on each number line equal to the number shown by P? Choose Yes or No.

A.  ○ Yes ○ No

B.  ○ Yes ○ No

C.  ○ Yes ○ No

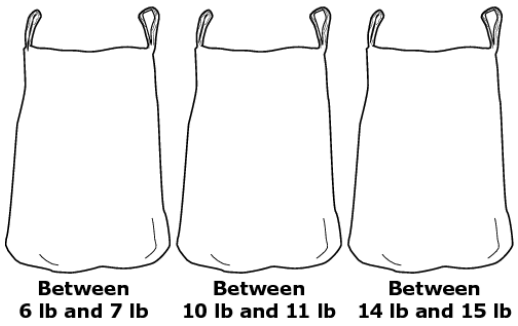
D.  ○ Yes ○ No

E.  ○ Yes ○ No

(3.NF.3a)

Jared is testing how much weight a bag can hold. He plans to put juice bottles into three bags. He wants each bag to have a total weight within the given range.

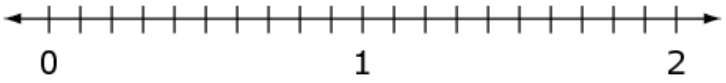
How many juice bottles can he place into each bag so that the weight is within the given range? Leave the bag empty if the given range is not possible using juice bottles.



(4.NF.4c)

Students are running in a relay race. Each team will run a total of 2 miles. Each member of a team will run $\frac{1}{5}$ of a mile. How many students will a team need to complete the race? Choose the correct number.

You may use the number line to help find your answer.



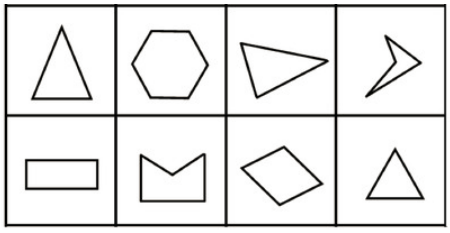
A. $\frac{2}{5}$ B. $\frac{5}{2}$ C. 9 D. 10 E. 20

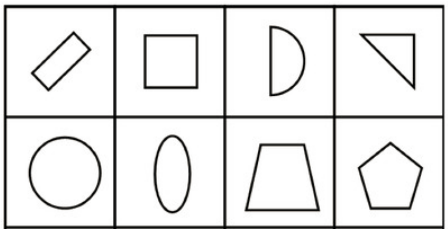
(5.NF.7)

Write a fraction that is between $\frac{3}{2}$ and $\frac{5}{6}$. Explain how you know your fraction is between $\frac{3}{2}$ and $\frac{5}{6}$.

(4.NF.A)

This game uses the 16 cards below.





Students in pairs take turns drawing two cards. They should name something that is the ALIKE or DIFFERENT between the two cards. Then the next two cards are drawn and the process repeats until no cards remain.
(K.G.B.4)

Student A rolls the two dice, finds the sum, and traces the number on the worksheet which corresponds to the answer with his/her marker. Student A then passes the dice to Student B who rolls both the dice, finds the sum and traces the correct number on the worksheet with his/her marker. Play continues this way until one of the numbers "wins" (i.e. all of the numbers of that quantity have been traced).

(K.CC.A.3, K.OA.A.2)

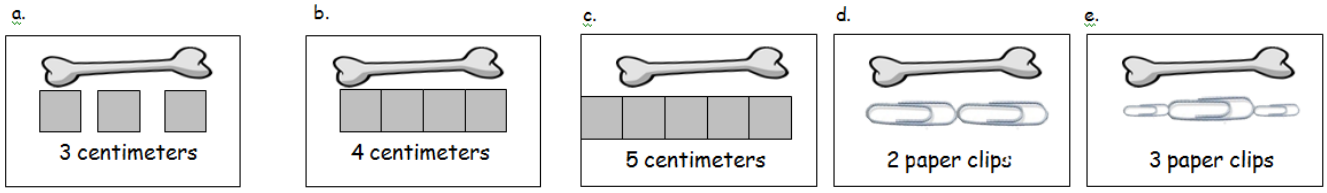
Which picture(s) show one half of the shape shaded? Explain.

a. **b.** **c.** **d.**

Which picture(s) show more than one half of the shape shaded? Explain.

Which picture(s) show less than one half of the shape shaded? Explain.
(2.G.A.3)

Circle the pictures that show the correct measurement.  is a centimeter cube.



(1.MD.2)

Use <, =, or > to compare the pairs of numbers.

i. 3 tens ◯ 25 ones

ii. 1 tens 14 ones ◯ 2 tens 4 ones

iii. 33 ◯ 2 tens 12 ones

iv. 26 ◯ 1 ten 25 ones

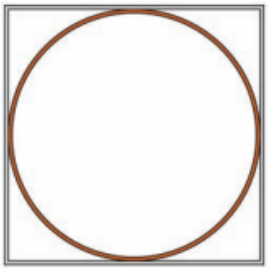
(1.NBT.3)

Procedural/Skill **2.OA.B.2, 3.OA.C.7, K.G.B.4, (K.CC.A.3, K.OA.A.2), 1.MD.2**

Conceptual Understanding **2.NBT.A, 3.NF.3a, 4.NF.A, 2.G.A.3, 1.NBT.3**

Application **2.OA.A.1, 4.NF.4c, 5.NF.7**

An artist used silver wire to make a square that has a perimeter of 40 inches. She then used copper wire to make the largest circle that could fit in the square, as shown below.
How many more inches of silver wire did the artist use compared to copper wire? (Use $\pi = 3.14$) Show all work necessary to justify your response.



(7.G.4)

Look at each expression. Is it equivalent to $36x + 24y$? Select yes or no for expressions A-C.

A. $6(6x + 4y)$ ☐ **Yes** ☐ **No**

B. $30(6x - 6y)$ ☐ **Yes** ☐ **No**

C. $12(x + 2y + 2x)$ ☐ **Yes** ☐ **No**

(6.EE.4 - In grade 6 students generate equivalent algebraic expressions, in grade 7 these are expanded to include expressions with rational coefficients, and in grade 8 students use earlier strategies to solve increasingly complex equations.)

What are two different equations with the same solution as $3(y-1) = 8$?

Grade 8

A student performs the following:

$$\frac{x+3}{2x+6} = 1$$
$$x + 3 = 2x + 6$$
$$x = -3$$

Is the solution correct? If yes, explain why. If no, explain what was wrong with the student's reasoning?

How many integers are greater than $\sqrt{68}$ and less than $\sqrt{169}$?

For each linear equation in the table, select whether the equation has no solution, one solution, or infinitely many solutions.

(8.EE.7a)

Equation	No Solution	One Solution	Infinitely Many Solutions
$36x + 24 = 12(x + 2 + 2x)$			
$x = x + 1$			
$-12(x + 2) = -14x + 2$			

Solve. $\frac{3}{4}c(c-1)=c$

Solve. $(x+2)(4x-1)=2x(5x-2)-12$

A right circular cone is shown in the figure. Point A is the vertex of the cone and point B lies on the circumference of the base of the cone. The cone has a height of 24 units and a diameter of 20 units. What is the distance from point A to point B?

(8.G.7)

A restaurant serves a vegetarian and a chicken lunch special each day. Each vegetarian special is the same price. Each chicken special is the same price. However, the price of the vegetarian special is different from the price of the chicken special.

- **On Thursday, the restaurant collected $467 selling 21 vegetarian specials and 40 chicken specials.**
- **On Friday, the restaurant collected $484 selling 28 vegetarian specials and 36 chicken specials.**

What is the cost of each lunch special?

(A−REI.6)