Name:

#1

Choose the best answer

Joshua baked x cookies. He packs them up to give to his best friends. He gives packages of cookies to 9 friends. If each packege contains 8 cookies, which equation represents the number of cookies per package?

- ○ $x - 9 = 8$
- ○ $9 \times x = 8$
- ○ $9 + x = 8$
- ○ $x \div 9 = 8$

Show your work

#2

Choose the best answer

Cameron found 3 bobbypins still in his hair at the end of the day after having lost 8 bobbypins. Give the equation to show how many bobbypins Cameron lost over the course of the day.

- ○ $x - 8 = 3$
- ○ $x \div 8 = 3$
- ○ $8 + x = 3$
- ○ $8 \times x = 3$

Show your work

#3

Choose the best answer

Gavin really likes practicing his piano. He has 2 songs and 6 minutes in total to practice the songs. If he practices each song for the same about of time, which equation will help us find out how much time Gavin spends on each song?

- ○ $2 + x = 6$
- ○ $x \div 2 = 6$
- ○ $x - 2 = 6$
- ○ $2 \times x = 6$

Show your work

#4

Choose the best answer

If Ella has 3 chicken nuggets, and she steals x from her brother resulting in 8 nuggets, which equation expresses this?

- ○ $x - 3 = 8$
- ○ $3 \times x = 8$
- ○ $x \div 3 = 8$
- ○ $3 + x = 8$

Show your work

#5

Choose the best answer

Logan is in a hotdog eating contest. Every contestant is given x amount of hotdogs to eat. Logan has 4 hotdogs left over, and counted eating 6 hotdogs. Which equation represents this?

- ○ $6 \times x = 4$
- ○ $x \div 6 = 4$
- ○ $6 + x = 4$
- ○ $x - 6 = 4$

Show your work

#6

Choose the best answer

A teacher opened a box containing x raisins and divided them evenly among 6 students. Each student got 9 raisins. Which equation represents this?

- ○ $6 \times x = 9$
- ○ $x \div 6 = 9$
- ○ $6 + x = 9$
- ○ $x - 6 = 9$

Show your work

#7

Choose the best answer

Grace bought a pack of gum. She gave 2 pieces of gum to her friend Nick and had 6 pieces left. Which equation represents this?

○ $2 + x = 6$ ○ $2 \times x = 6$

○ $x \div 2 = 6$ ○ $x - 2 = 6$

Show your work

#8

Choose the best answer

A lab technician just got in a shipment of x rats. She divides them evenly into groups of 2 rats for 9 different cages. Which expression represents this?

○ $x - 2 = 9$ ○ $2 + x = 9$

○ $x \div 2 = 9$ ○ $2 \times x = 9$

Show your work

#9

Choose the best answer

Farmer Brianna has 8 dairy cows. A number of them give birth, resulting in a total of 10 dairy cows. Which equation shows this?

○ $x - 8 = 10$ ○ $8 + x = 10$

○ $8 \times x = 10$ ○ $x \div 8 = 10$

Show your work

#10

Choose the best answer

A barrista makes x cups of coffee in 6 hours resulting in 2 cups per hour. Which equation represents this?

- ○ $x - 6 = 2$
- ○ $6 + x = 2$
- ○ $x \div 6 = 2$
- ○ $6 \times x = 2$

Show your work

#11

Choose the best answer

A barrista makes x cups of coffee in 10 hours resulting in 2 cups per hour. Which equation represents this?

- ○ $x \div 10 = 2$
- ○ $x - 10 = 2$
- ○ $10 \times x = 2$
- ○ $10 + x = 2$

Show your work

#12

Choose the best answer

A lab technician just got in a shipment of x rats. She divides them evenly into groups of 7 rats for 3 different cages. Which expression represents this?

- ○ $x \div 7 = 3$
- ○ $7 \times x = 3$
- ○ $7 + x = 3$
- ○ $x - 7 = 3$

Show your work

Question	Answer
#1	choice 4
#2	choice 1
#3	choice 4
#4	choice 4
#5	choice 4
#6	choice 2
#7	choice 4
#8	choice 3
#9	choice 2
#10	choice 3
#11	choice 1
#12	choice 1