

#1

Choose the best answer

Ethan is in a hotdog eating contest. Every contestant is given x amount of hotdogs to eat. Ethan has 6 hotdogs left over, and counted eating 9 hotdogs. Which equation represents this?

$x - 9 = 6$

$9 + x = 6$

$x \div 9 = 6$

$9 \times x = 6$

Show your work

#2

Choose the best answer

Hailey is super excited to trade his stamps. If Hailey trades 4 stamps with Alyssa, and knows he had 8 stamps after the trade, which expression represents this?

$4 + x = 8$

$x - 4 = 8$

$4 \times x = 8$

$x \div 4 = 8$

Show your work

#3

Choose the best answer

A teacher opened a box containing x raisins and divided them evenly among 6 students. Each student got 7 raisins. Which equation represents this?

$6 + x = 7$

$x - 6 = 7$

$6 \times x = 7$

$x \div 6 = 7$

Show your work

#4

Choose the best answer

Sydney is a weightlifter and can lift 7 kilograms in a deadlift. To be considered strong, Sydney must be able to deadlift 10 kilograms. How many kilograms does she need to add to her deadlift to be strong? Use an equation to express the answer.

$7 \times x = 10$

$7 + x = 10$

$x - 7 = 10$

$x \div 7 = 10$

Show your work

#5

Choose the best answer

Someone has spilled all x pencils into a giant pile! Elizabeth knows that pencils come in boxes of 4, and that there were 7 boxes. Which equation represents this?

$4 \times x = 7$

$x - 4 = 7$

$x \div 4 = 7$

$4 + x = 7$

Show your work

#6

Choose the best answer

Michael really likes practicing his piano. He has 5 songs and 10 minutes in total to practice the songs. If he practices each song for the same amount of time, which equation will help us find out how much time Michael spends on each song?

$5 \times x = 10$

$x \div 5 = 10$

$5 + x = 10$

$x - 5 = 10$

Show your work

#7

Choose the best answer

A farmer has a lot of sheep. He sells 6 sheep, and after counting he has 8 sheep left. Which equation represents this?

$6 \times x = 8$

$x - 6 = 8$

$x \div 6 = 8$

$6 + x = 8$

Show your work

#8

Choose the best answer

McRuff the dog loves to bury his bones. To date he has buried 3 bones but then burries x more resulting in 6 bones burried. Which equation can McRuff use to calculate how many bones he has buried?

$x - 3 = 6$

$3 + x = 6$

$3 \times x = 6$

$x \div 3 = 6$

Show your work

#9

Choose the best answer

Sydney found 10 bobbypins still in her hair at the end of the day after having lost 2 bobbypins. Give the equation to show how many bobbypins Sydney lost over the course of the day.

$2 \times x = 10$

$x \div 2 = 10$

$x - 2 = 10$

$2 + x = 10$

Show your work

#10

Choose the best answer

Makayla likes to eat 5 bananas every week. The recommended dose is actually 10 bananas though so Makayla needs to eat more. Which equation represents this?

$5 \times x = 10$

$5 + x = 10$

$x \div 5 = 10$

$x - 5 = 10$

Show your work

#11

Choose the best answer

Alexander likes to count the trees in his neighborhood. If 10 trees are cut down, and there are now 5 trees left. Which equation represents this?

$x \div 10 = 5$

$x - 10 = 5$

$10 + x = 5$

$10 \times x = 5$

Show your work

#12

Choose the best answer

A mother has married off 9 children, and still has 2 children living at home. Which equation represents this?

$9 + x = 2$

$9 \times x = 2$

$x - 9 = 2$

$x \div 9 = 2$

Show your work

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