

#1

Choose the best answer

A barrista makes x cups of coffee in 7 hours resulting in 2 cups per hour. Which equation represents this?

$7 + x = 2$

$x - 7 = 2$

$x \div 7 = 2$

$7 \times x = 2$

Show your work

#2

Choose the best answer

Chloe spends 4 hours per day pruning a bonsai tree over x days for a total of 8 hours and 4 hours per day of pruning. Use an equation to express the total number of hours spent pruning.

$4 \times x = 8$

$x - 4 = 8$

$4 + x = 8$

$x \div 4 = 8$

Show your work

#3

Choose the best answer

Alexa likes to count the trees in her neighborhood. If 4 trees are cut down, and there are now 9 trees left. Which equation represents this?

$4 + x = 9$

$x \div 4 = 9$

$x - 4 = 9$

$4 \times x = 9$

Show your work

#4

Choose the best answer

For the school picnic Joseph put 3 slices of watermelon on each platter. There were 6 slices in all. Which equation, when solved, will tell how many platters (x) Joseph used?

$3 + x = 6$

$x \div 3 = 6$

$3 \times x = 6$

$x - 3 = 6$

Show your work

#5

Choose the best answer

For the school picnic Anthony put 4 slices of watermelon on each platter. There were 8 slices in all. Which equation, when solved, will tell how many platters (x) Anthony used?

$4 + x = 8$

$x \div 4 = 8$

$4 \times x = 8$

$x - 4 = 8$

Show your work

#6

Choose the best answer

A lab technician just got in a shipment of x rats. She divides them evenly into groups of 3 rats for 4 different cages. Which expression represents this?

$3 \times x = 4$

$x \div 3 = 4$

$3 + x = 4$

$x - 3 = 4$

Show your work

#7

Choose the best answer

A barrista makes x cups of coffee in 9 hours resulting in 3 cups per hour. Which equation represents this?

$x \div 9 = 3$

$x - 9 = 3$

$9 + x = 3$

$9 \times x = 3$

Show your work

#8

Choose the best answer

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

$x - 5 = 10$

$5 + x = 10$

$5 \times x = 10$

$x \div 5 = 10$

Show your work

#9

Choose the best answer

A barrista makes x cups of coffee in 7 hours resulting in 9 cups per hour. Which equation represents this?

$x \div 7 = 9$

$7 \times x = 9$

$x - 7 = 9$

$7 + x = 9$

Show your work

#10

Choose the best answer

Nick and Alexander found some seashells on the beach. Nick found 2 shells and Alexander found x shells. Altogether, they found 7 shells. Which equation shows this?

$2 \times x = 7$

$2 + x = 7$

$x - 2 = 7$

$x \div 2 = 7$

Show your work

#11

Choose the best answer

Sydney really likes practicing her piano. She has 2 songs and 4 minutes in total to practice the songs. If she practices each song for the same amount of time, which equation will help us find out how much time Sydney spends on each song?

$x \div 2 = 4$

$2 \times x = 4$

$2 + x = 4$

$x - 2 = 4$

Show your work

#12

Choose the best answer

Joshua baked x cookies. He packs them up to give to his best friends. He gives packages of cookies to 8 friends. If each package contains 10 cookies, which equation represents the number of cookies per package?

$8 + x = 10$

$x - 8 = 10$

$8 \times x = 10$

$x \div 8 = 10$

Show your work

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