Algebra For Kids

Beginners Guide to Learning Level 1 Algebra Math! Learn Algebra Mathematics Using Word Problems

By Anthony David

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Your Quick Lesson on basic Algebra

Hey! So you wanna learn algebra huh? Great choice. It's good to learn it at such a young age because math can be a little hard. Once you learn the first level of algebra, it will be easier to learn the harder levels. Go ahead and grab a pencil and paper, because I'm about to show how algebra fits into basic math. So what exactly is algebra? Well, algebra is another type of math that helps you solve problems. We solve problems by writing them out under what we call “equations”. These are the formulas you see when there's an equal sign, like 2+2=. Now go ahead and write that equation down. 2+2=

Now follow me on this equation, so once we add 2+2, we get 4! So we know that 2+2=4! The equal sign basically equates that what is on the left equals what's on the right. Now let's give you an algebra problem. Write this down:

X+5=10

Now in this equation, we see that there's a letter in it. Letters in equations are what we call variables. Variables are missing numbers that

need to be in the equation! X can be any number that adds to 5, which will equal 10. So what is x? How can we find what adds to 5 to make 10? Well, the same rule of the equation must follow; What on the left equals what's on the right. So let's solve this equation together. Let's write it down.

Follow with me: X+5=10

Now in order to find out what is x, we need to do opposite side math to find the equal solution. We need to remove the numbers until we have x all by itself because x is the solution to our problem

So in this equation, X+5=10 subtracting 5 from both sides:

5-5=0 and 10-5= 5! We now have the answer to our equation!

x=5! We know this is true because when you plug 5 into the equation we will get 10: 5+5= 10! Good job! You just solved your first algebra problem

We must remember that in order to get the mystery number, we must cancel out what's on both sides in order to get the solution. Remember, what's on the left equals what's on the right. Let me give you another problem to solve:

x-8=3

Hmmm. What is x? What we do know is that 8 subtracted by our mystery number gives us 3. Subtracting 8 makes it a negative because 8 is being taken away to make 3. What we have to do is add 8 to both sides so we can find out what our mystery number is. So let's write the equation down and start adding 8 to both sides:

8+(-8) is 0.

This is because the minus makes 8 a negative, so think about it as if it was 8-8. That makes 0! Remember: that a positive number adding to a negative number will always take away from the positive number, so when you write +8 under -8, just remember that the negative 8 has the same amount as the positive, which cancels out both and you get 0! Now that being 0 let's add 8 to 3:

8+3= 11! Our answer to x is…. 11! Let's plug 11 into the equation and see how it looks:

11-8=3. That looks just about right! Great Job!!

Let's try another one, this time the variable will be outside of the equation.

3+3=R

Now this one is very easy. The numbers in the formula are already plugged in, so all you have to do is do the math! 3+3 is….. 6! So our answer to R is

6! 3+3=6!

Now that we've done some small numbers, let's look at some big-number equations. Starting with this next one:

43+Y=92

Let's figure out what Y is. Don't forget: when you see a letter it's a variable. These letters are just the mystery numbers we are trying to solve. It doesn't have to be X! It can be any letter in the alphabet. In order to find Y, we have to take out 43, and since 43 is positive, we need to subtract 43 from both sides. Write it down with me:

43-43= 0! And then…. 92-43……49! So now we have our answer to Y;

Y=49! Lets plug 49 where Y is and see if it checks out:

49+43=92! Excellent work my friend. You are catching on really quickly. Here's an important note to remember: When you find your mystery number to your variable, always remember to plug the number in and see if it works with the equation. Sometimes the solution you get isn't gonna be the written solution to the equation, which is why you check first: Here is an example:

My equation is 6+D=14. After subtracting from both sides I got the answer 3. Hmmm. That doesn't sound right, does 6+3=14?? Let's plug it in. After I plug it in, 6+3 actually equals 9, which isn't the solution to our equation.

Why? Because 14 is on the other side of the equal sign, we must remember that whatever is on the left, must equal what's on the right. After going back and subtracting again, I got the real answer which is 8. 6+8 does equal 14!

Algebra is all around us!

When we do algebra, it helps us learn real addition and subtraction when we are out of school. It helps us uncover mysteries and questions by looking at the numbers. Let's look at real-life examples:

Let's say you went to school today and you got 4 cookies at lunch! And then after lunch, your friend gives you their 3 cookies. X equals the total amount of cookies you got at school. How many cookies did you get in total at school?

So our solution is X. in order to get x we have to plug in all our numbers and write the equation. Write this down:

You got 4 cookies at lunch, that is 4. Then after lunch, your friend gave you 3 cookies. So now the equation is 4+3. X is the total amount of cookies you've gotten, which makes X equal. So the full equation is 4+3=X. Now the problem looks a little easier, let's do the math! 4+3=7! X=7

So the total number of cookies you got at school was 7! Spectacular Job! You just solved your first-word problem.

Congratulations!! You've just learned how to do basic Algebra mathematics! In under an hour! Wow. you really are unique. Great work my friend.

Now that you know the basics, let's keep you learning by practicing real-life algebra problems. For the remainder of this book, you will need to hand it over to your parent or guardian, so they can go over with you the questions and answers. Don't continue this book without your parent/guardian! Just remember: once you've got the problem, be sure to write it out as an equation. Then do the addition or subtraction to find the answer to that variable. Some of these questions can be tricky, so if you need help from your parents or guardian, don't be afraid to ask them for help.

Letter to Parent or Guardian

The following chapter will be a set of algebra word problems and questions with answers. Take over the book from this chapter so they don't see the answers. You will have to help them by reading out the word problems, so they can figure out how they write them out as equations. If they are struggling to write out the equation, just give it to them, and let them solve it on their own. If they can't solve it on their own, give them the answer and show them how you solved the equation. Be sure to help them with a calculator if necessary, some questions can be tricky.

Algebra basic: Addition and Subtraction Word Problems

Phase 1

1.There were 17 bluejays in the tree. 5 of them flew away. How many bluejays are left in the tree?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 17-5=b now solve the problem!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 12! 12 bluejays are left in the tree! 17-5=12!

2. Sage had 12 sticks. She gave some of them to Annie. Now Sage has 7 sticks. How many sticks did Sage give Annie?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 12-7=S now solve the problem!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 5 Sage gave Annie 5 sticks! 12-7=5!

3.There were 7 sharks near the shore. 9 more sharks swam in. How many sharks are near the shore now?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 7+9=S now solve the problem!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 16! 16 sharks are now near the shore! 7+9=16!

4.Solve this equation: 15-q=6

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 9! q=9

15-9=6!

5.Solve this equation: t-21=32

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 53! t=53

53-21=32!

6.Solve this equation: $n = 4 - 2$

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 2! n=2

4-2=2!

7.Zane has 5 more pencils than Ian. Ian has 11 pencils. How many pencils does Zane have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 11+5=P now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 15! Zane has 15 Pencils, that's 5 more pencils than Ian.

11+5=15

8.Ryan had some shirts. He gave 5 of them to Jude. Now Ryan has 7 shirts. How many shirts did Ryan have at first?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is S-5=7 now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 12! Ryan has 12 shirts before he gave 5 to Jude

12-5=7

9. There were 5 pigs on the farm. 8 more pigs joined them. How many pigs are on the farm now?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 5+8= p now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below))

The answer is 13! There are now 13 pigs on the farm!

5+8=13!

10. There are 17 Ducks and 5 Frogs in the pond. How many fewer Frogs are there than Ducks?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 17-5=f now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 12! There are 12 fewer frogs in the pond than ducks!

17-5=12

11. Solve this equation: $b = 5 + 4$

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 9! 5+4=9

12. Solve this equation: $a = 8 - 5$

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 3! 8-5=3!

13. Henry has 18 grapes and Emma has 10 grapes. How many fewer grapes does Emma have than Henry?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 18-10=g now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 8! Emma has 8 fewer grapes than Henry. 18-10=8

14. Drew has 5 more ribbons than Trent. Drew has 12 ribbons. How many ribbons does Trent have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is r+5= 12 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 7! Trent has 7 ribbons. 7+5=12

15. Solve the equation: 20-j= 10

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)
The answer to the variable is 10! 20-10=10

16. There were some ladybugs in the garden. 8 of them crawled away. Now there are 12 ladybugs in the garden. How many ladybugs were in the garden at first?
(wait for your child to write out the equation on their own. If they cant get it, then give it to them)
The equation is l-8=12 now, solve the equation
(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)
The answer to the variable is 20! 20 ladybugs were in the garden at first

17. Solve the equation: x+33=66
(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)
The answer to the variable is 33! 33+33=66
18. There were 11 swans on the lake. Some more joined them. Now there are 16 swans on the lake. How many swans joined them?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 11+S=16 now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the equation is 5! 5 swans joined the lake! 11+5=16

19. Gail has 12 more blocks than Al. Al has 6 blocks. How many blocks does Gail have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 6+12=b now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the equation is 18! Gail has 18 blocks! 6+12=18

20. Solve this equation: $5 - 1 = d$

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 4! 5-1=4

21. Solve this equation: v=10+4

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 14! 10+4=14

22. Solve this equation: $o = 8 + 1$

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 9! 8+1=9

23. Solve this equation: $7 - 3 = g$

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 4! 7-3=4

24. There are 9 girls and 6 boys in the lunchroom. How many girls and boys are in the lunchroom all together?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 9+6=l now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 15! There are 15 girls and boys in the lunchroom all together! 9+6=15

25. There are 7 more geese than swans on the pond. There are 12 geese. How many swans are there?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 7+s=12 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 5! There are 5 swans in the pond! 7+5=12

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26. There were some peppers in the garden. 6 of them were picked. Now there are 13 peppers in the garden. How many peppers were in the garden to start?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is p-6=13 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 19! There were 19 peppers to start! 19-6=13

27. Solve the equation: 11+4=y

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 15! 11+4=15

28. Rosie has 13 fewer toys than Jess. Rosie has 7 toys. How many toys does Jess have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is t-13=7 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 20! Jess has 20 toys! 20-13=7

29. Solve the equation: z+1=9

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 8! 8+1=9

30. There are 6 fewer cardinals than sparrows in the tree. There are 12 cardinals. How many sparrows are there?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is s-6=12 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 18! There are 18 sparrows in the tree! 18-6=12

(Break- try giving them a break before going to the next phase)

Algebra basic: Addition and Subtraction Word Problems Phase 2

31. Solve the equation: 4+2=j

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 6! 4+2=6

32. Dawn has 5 more jelly beans than John. John has 9 jelly beans. How many jelly beans does Dawn have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 9+5=j now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 14! Dawn has 14 jelly beans! 9+5=14

33. Solve the equation: 13-9=n

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 4! 13-9=4

34. Sarah had some oranges. Owen gave her 12 more. Now Sarah has 17 oranges. How many oranges did Sarah have at first?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is o+12=17 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 5! Sarah had 5 oranges at first! 5+12=17

35. Solve the equation: 7+12=p

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 19! 7+12=19

36. Cara has 17 crayons. 6 are small and the rest are big. How many crayons are big?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 17-6=c now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 11! Cara has 11 big crayons! 17-6=11

37. Solve the equation: 14-h=1

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 13! 14-13=1

38. Molly had 6 candies. Ivy gave her 11 more. How many candies does Molly have now?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 6+11=c now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 17! Molly now has 17 candies! 6+11=17

39. There are 13 animals near the shore. 7 are dolphins and the rest are whales. How many of the animals are whales?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 13-7=w now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 6! 6 of the animals are whales! 13-7=6

40. There are 6 fewer cows than goats on the farm. There are 8 cows. How many goats are there?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is g-6=8 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)
The answer to the variable is 14! There are 14 goats on the farm! 14-6=8

41. Eva has 16 action figures and Cara has 9 action figures. How many more action figures does Eva have than Cara?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 16-9=a now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)
The answer to the variable is 7! Eva has 7 more action figures than Cara!
16-9=7

42. Solve the equation: v-19=6
(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)
The answer to the variable is 25! 25-19=6

43. There are 7 roosters and 5 hens in the coop. How many roosters and hens are in the coop all together?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 7+5=c now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 12! There are 12 roosters and hens all together! 7+5=12

44. Solve the equation: 21+k=24

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 3! 21+3=24

45. Miles has 6 more marbles than Ian. Ian has 12 marbles. How many marbles does Miles have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 12+6=m now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 18! Miles has 18 marbles! 12+6=18

46. Solve the equation: 17-a=5

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 12! 17-5=12

47. There are 5 fewer eagles than pigeons in the tree. There are 9 eagles. How many pigeons are there?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is p-5=9 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 14! There are 14 pigeons in the tree! 14-5=9

48. Solve the equation: w-9=7

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 16! 16-9=7

49. Clark has 19 lollipops. 13 are short and the rest are long. How many lollipops are long?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 19-13=l now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 6! 6 of the lollipops are long. 19-13=6

50. Solve the equation: 4+9=p

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 13! 4+9=13

51. Solve the equation: 20-6=f

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 14! 20-6=14

52. There are 15 kids in the classroom. 7 are girls and the rest are boys. How many of the kids are boys?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 15-7=b now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 8! There are 8 boys in the classroom. 15-7=8

53. Solve the equation: h=8+9

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 17! 8+9=17

54. Walker has 7 fewer notebooks than Joel. Walker has 10 notebooks. How many notebooks does Joel have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is n-7=10 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 17! Joel has 17 notebooks! 17-7=10

55. There were 7 quarters in the piggy bank. Some more were put in. Now there are 16 quarters in the piggy bank. How many quarters were put in?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 7+q=16 now, solve the problem!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 9! 9 quarters were put in the piggy bank!

7+9=16

56. There were 6 pigeons in the tree. 1 of them flew away. How many pigeons are left in the tree?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 6-1=p now solve the problem!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 5! 5 pigeons are left in the tree! 6-1=5!

57. Able had 10 potato chips . He gave some of them to Jane. Now Able has 6 potato chips How many potato chips did Abel give Jane?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 10-c=6 now solve the problem!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 4 Able gave Jane 4 potato chips! 10-4=6!

58. There were 3 fishes near the shore. 7 more fishes swam in. How many fishes are near the shore now?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 3+7=f now solve the problem!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 10! 10 fishes are now near the shore! 3+7=10!

59. Solve this equation: 13-v=2

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 11! v=11

13-11=2!

60. Solve this equation: k-20=32

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 52! k=52

52-20=32!

(Break- try giving them a break before going to the next phase)

Algebra basic: Addition and Subtraction Word Problems Phase 3

61. Solve this equation: $m = 5 - 2$

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 3! m=3

5-2=3!

62. Clark has 8 more cupcakes than Lois. Lois has 12 cupcakes. How many cupcakes does Clark have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 12+8=c now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 20! Clark has 20 cupcakes, that's 8 more pencils than Lois.

12+8=20

63. Bryan had some papers. He gave 7 of them to Amya. Now Bryan has 7 papers. How many papers did Bryan have at first?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is S-7=7 now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 14! Bryan has 14 papers before he gave 7 to Amya

14-7=7

64. There were 2 cows on the farm. 9 more cows joined them. How many cows are on the farm now?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 2+9= c now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below))

The answer is 11! There are now 11 cows on the farm!

2+9=11!

65. There are 13 toads and 8 beavers in the pond. How many fewer beavers are there than toads?

(wait for 10)

The equation is 13-8=b now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 5! There are 5 fewer beavers in the pond than toads!

13-8=5

66. Solve this equation: $e = 7 + 8$

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 15! 7+8=15

67. Solve this equation: $j = 9 - 4$

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 5! 9-4=5!

68. Josh has 12 bananas and Ben has 9 bananas. How many fewer bananas does Ben have than Josh?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 12-9=b now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 3! Ben has 3 fewer Bananas than Josh. 12-9=3

69. Andrew has 4 more chairs than Tobey. Andrew has 5 chairs. How many chairs does Tobey have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is c+4= 5 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 1! Tobey has 1 chair. 1+4=5

70. Solve the equation: 11-z= 10

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 1! 11-1=10

71. There were some dragonflies in the garden. 3 of them flew away. Now there are 6 dragonflies in the garden. How many dragonflies were in the garden at first?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is d-3=6 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 9! 9 dragonflies were in the garden at first

72. Solve the equation: n+20=40

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 20! 20+20=40

73. There were 7 fish in the lake. Some more joined them. Now there are 11 fish in the lake. How many fishes joined them?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 7+f=11 now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)
The answer to the equation is 4! 4 joined the lake! 7+f=11

74. Aaron has 5 more stickers than Annie. Annie has 6 stickers. How many stickers does Arron have?
(wait for your child to write out the equation on their own. If they cant get it, then give it to them)
The equation is 5+6=s now, solve the equation
(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)
The answer to the equation is 11! Aaron has 11 stickers! 5+6=11

75. Solve this equation: $6 - 3 = i$
(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)
The answer to the variable is 3! 6-3=3

76. Solve this equation: $o = 9 + 9$
(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 18! 9+9=18

77. Solve this equation: $10 - 3 = x$

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 7! 10-3=7

78. There are 5 girls and 5 boys in the lunchroom. How many girls and boys are in the lunchroom altogether?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 5+5=l now, solve the equation!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 10! There are 10 girls and boys in the lunchroom altogether! 5+5=10

79. There are 10 more geese than swans on the pond. There are 12 geese. How many swans are there?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 10+s=12 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 2! There are 2 swans in the pond! 10+2=12

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80. There were some lemons in the garden. 8 of them were picked. Now there are 14 lemons in the garden. How many lemons were in the garden to start?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is l-8=14 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 22! There were 22 lemons to start! 22-8=14

81. Solve the equation: 6+7=u

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 13! 6+7=13

82. Dorothy has 3 fewer toys than Gina. Dorothy has 10 toys. How many toys does Gina have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is t-10=3 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 13! Gina has 13 toys! 13-10=3

83. Solve the equation: e+6=10

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 4! 4+6=10

84. There are 4 fewer birds than squirrels in the tree. There are 8 squirrels. How many birds are there?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 8-4=b now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 4! There are 4 birds in the tree! 8-4=4

85. Solve the equation: 4+5=h

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 9! 4+5=9

86. Sasha has 6 more skittles than Tammy. Tammy has 7 skittles. How many skittles does Sasha have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 7+6=s now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 13! Sasha has 13 skittles! 7+6=13

87. Solve the equation: 14-3=f

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 11! 14-3=11

88. Nya had some berries. John gave her 3 more. Now Nya has 4 berries. How many berries did Nya have at first?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is o+3=4 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 1! Nya had only 1 berry at first! 1+3=4

89. Solve the equation: 5+2=r

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 7! 5+2=7

90. Roy has 15 pens. 3 are small and the rest are big. How many pens are big?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 15-3=p now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 12! Roy has 12 big crayons! 15-3=12

(Break- try giving them a break before going to the next phase)

Algebra basic: Addition and Subtraction Word Problems Phase

4

91. Solve the equation: 14-h=1

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 13! 14-13=1

92. Ken had 7 candies. David gave him 3 more. How many candies does Ken have now?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 7+3=c now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 10! Ken now has 10 candies! 7+3=10

93. There are 20 animals near the shore. 9 are crabs and the rest are sharks. How many of the animals are sharks?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 20-9=a now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 11! 11 of the animals are sharks! 20-9=11

94. There are 4 fewer horses than roosters on the farm. There are 8 horses. How many roosters are there?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is r-4=8 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 12! There are 12 roosters on the farm! 12-4=8

95. Charles has 10 action figures and Jerry has 9 action figures. How many more action figures does Charles have than Jerry

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 10-9=a now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)
The answer to the variable is 1! Charles has 1 more action figure than Jerry!
10-9=1

96. Solve the equation: u-7=4

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)
The answer to the variable is 11! 11-7=4

97. There are 5 dogs and 8 cats in the animal shelter. How many dogs and cats are in the animal shelter altogether?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 5+8=a now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 13! There are 13 dogs and cats in the shelter all together! 5+8=13

98. Solve the equation: e=9+6

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 15! 9+6=15

99. Anna has 9 more marbles than Albert. Albert has 11 marbles. How many marbles does Anna have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 11+9=m now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 20! Anna has 20 marbles! 11+9=20

100. Solve the equation: 14-a=6

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 8! 14-8=6

101. There are 4 fewer milk boxes than Juice boxes in the fridge. There are 12 juice boxes in the fridge. How many milk boxes are there?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 12-4=j now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 8! There are 8 juice boxes in the fridge! 12-4=8

102. Solve the equation: g-8=7

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 15! 15-8=7

103. Iris has 10 lollipops. 5 are short and the rest are long. How many lollipops are long?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 10-5=l now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 5! 5 of the lollipops are long. 10-5=5

104. Solve the equation: 2+7=p

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 9! 2+7=9

105. Solve the equation: 18-3=f

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 15! 18-3=15

106. There are 14 kids in the classroom. 7 are girls and the rest are boys. How many of the kids are boys?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 14-7=b now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 7! There are 8 boys in the classroom. 14-7=7

107. Solve the equation: z=2+10

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 12! 2+10=12

108. Oliver has 4 fewer notebooks than Barry. Oliver has 8 notebooks. How many notebooks does Barry have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is n-4=8 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 12! Barry has 12 notebooks! 12-4=8

109. There were 10 quarters in the piggy bank. Some more were put in. Now there are 15 quarters in the piggy bank. How many quarters were put in?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 10+q=15 now, solve the problem!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 5! 5 quarters were put in the piggy bank!

10+5=15

110. Solve the equation: 17-7=f

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 10! 17-7=10

111. There are 20 kids on the playground. 12 are boys and the rest are girls. How many of the kids are girls?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 20-12=g now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 8! There are 8 girls on the playground. 20-12=8

112. Solve the equation: h=10+9

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 19! 10+9=19

113. Chase has 9 fewer notebooks than Marry. Marry has 11 notebooks. How many notebooks does Chase have?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 11-9=n now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 2! Chase has 2 notebooks! 11-9=2

114. There were 3 nickels in the piggy bank. Some more were put in. Now there are 14 nickels in the piggy bank. How many nickels were put in?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 3+n=14 now, solve the problem!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 11! 11 nickels were put in the piggy bank!

3+11=14

115. There were 12 bats in a cave. 3 flew out of the cave. How many bats are left in the cave?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 12-3=9 now solve the problem!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 9! 9 bats were left in the cave! 12-3=9

116. George had 4 markers. He gave some of them to Ryan. Now George only has 1 marker. How many markers did George give Ryan?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 4-1=S now solve the problem!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 3 George gave away 3 sticks! 4-1=3!

117. There were 8 floaties in the pool. 3 more floaties were thrown into the pool. How many floaties are in the pool now?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is 8+3=f now solve the problem!

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer is 11! 11 floaties are now in the pool! 8+3=11

118. Solve this equation: 13-d=3

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 10! d=10

13-10=3!

119. Solve this equation: z-6=12

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 18! t=18

18-6=12!

120. Rebecca had some candies. She wanted more so she went to the store and got 3 more candies. She now has 10. How many candies did Rebecca have to start?

(wait for your child to write out the equation on their own. If they cant get it, then give it to them)

The equation is c+3=10 now, solve the equation

(wait for your child to get the answer on their own. If they can't get the answer, then give it to them and explain the math as followed below)

The answer to the variable is 7! Rebecca has 7 candies at first!

7+3=10

Congrats!

Congratulations partner. Your child officially mastered basic algebra! They did 120 questions? That's outstanding. There's so much more to learn about algebra but they learned the basics and that's all that matters for now. They should keep on studying! As parent or guardian, give them some more practice problems because algebra can get tricky. To learn more about algebra, be sure to check out my new set of math riddles! I guess this is goodbye, for now, keep on being a spectacular expert.

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