4th Grade Mental Math

Multi-Step Question Bank

Money Multi-Step Questions

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| **Addition** |

* I have 4 ten dollar bills, 6 one dollar bills and 4 quarters. How much money do I have?
* The number of days in a year.  Subtract the number of pennies in a nickel.  Divide by the number of quarters in a one dollar.
* Find the number of nickels in a quarter. Multiply by the number of pennies in 2 dimes.  Subtract the value of 2 quarters.
* Start with a twenty dollar bill. Now you have 20 of them. Trade your money in for 100 dollar bills.
* How much is 1 nickel, 1 dime and 3 quarters?
* How much is 2 quarters and 3 nickels? Take away 30 cents.  Add $3.00.  How much do you have?
* I have 4 nickels, add a nickel, now double it.
* I have twenty dollar bill; I received a five dollar bill and divided among 4 students. How much do each have?
* One dollar, subtract a quarter, subtract two nickels, and four pennies
* How many nickels are in 2 quarters?  Add 7 nickels. Subtract 8 nickels. How many nickels do you have now?
* How many dimes are in 2 quarters? Add 3 dimes. Subtract 5 dimes. How many dimes do you have now?
* Start with the number of cents in one dollar; give away 2 quarters; add one penny; divide by 7; what is the remainder?
* Start with 5 quarters; take away 16 nickels; add 5 pennies; how many dimes do you have?
* What is the value of 7 dimes, add 2 nickels, subtract 5 pennies?
* 4 dimes + 2 nickels – 1 quarter
* 3 dimes + 1 nickel – 4 pennies
* 2 quarters – 2 dimes – 1 nickel
* 75 pennies – 2 quarters + 2 dimes
* 4 dimes + 7 pennies + 1 nickel
* 6 one hundred dollar bills, give half of them away, and add four quarters.
* Add five dimes and six nickels.  Add one quarter.  Subtract one dime.
* How many pennies are in 4 quarters? Divide by 10 Add 6 What number do you have?
* Start with 4 dimes. Add 3 nickels. Subtract 7 pennies. How much do you have?
* Start with 3 quarters. Add 3 nickels. Subtract 4 dimes. How much money do you have?
* Start with 2 dimes. Subtract one nickel. Add 6 quarters. How much money do you have?
* Start with 5 dimes Add 2 nickels, Add 4 pennies
* Start with 5 dimes Add 2 nickels, Add 4 pennies

Time/Date Multi-Step Questions

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| **Subtraction** |

* Think of how many months are in a year. Add the days in a week. Subtract the hours in a half a day.
* What time do we get out of school (3:20) add 30 minutes?
* Think of the hours in a day. How many total hours would you have in 10 days?
* You are 85 years old. The “Guess My Age” lady at Adventureland guesses you are 72 years old. She must be within 8 years. Do you get a prize?
* How many days in 5 weeks? Divide that by 7. Multiply that number by itself.  What is your number?
* How many minutes in 1 hour? Add two hours, how many minutes in 3 hours?
* It is 8:45. What time will it be in 30 min.? Two hours before that would be \_\_\_? 45 minutes after that is \_\_\_?
* Take the number of seconds in a minute Add forty Minus 50
* Start with the number of minutes in an hour; divide this by 4; multiply by 2
* Start with the number of minutes in an hour, add the number of minutes in half an hour, add 10 minutes, add 3 minutes
* Min in a half hour, divided 5, plus 10
* The number of days in a year, plus 20, minus 3
* It is 6:10, what time will it be in an hour? What time will it be if 30 minutes go by? Add 2 minutes, what time is it? What number do you have?
* How many months are in a year? Multiply by 4 Add the number of days in one week. What number do you have?
* How many hours are in a day? Divide by the number of weeks in a month Add the number of school days in a week What number do you have?
* Number in the hundreds place of 1824 Multiply by the number of years in a century. Subtract the number of years in a decade.  Add the digit of that number together.

Shape/Angles Multi-Step Questions

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| **Multiplication** |

* Take the degrees in a circle and minus the degrees in a right angle.
* The number of sides of an octagon. Add the number of degrees in a triangle. Subtract 100. Divide by the number of sides of an octagon.
* Think how many sides are on 9 triangles. Share that number with 6 friends. How many sides are not given to someone?
* 240 divided by 8, divided by the number of sides on a pentagon, divided by 2.
* How many sides are on an octagon Add the number of sides on a hexagon Times the number of sides on a triangle.
* How many sides are in a rhombus? Multiply by the number of sides in an octagon. Subtract the sides of two triangles. What number do you have?
* The number of sides on a hexagon times the number of sides of a pentagon.

People/Animal Multi-Step Questions

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| **Division** |

* 10 people have how many legs, arms and ears?
* 3 dogs, 3 cats and 3 mice have how many legs?
* The number of legs on 5 dogs. Add the number of legs of 6 birds. Divide by the number of arms on an octopus.
* Number of legs of a dog. Times the number of ears on the dog. Subtract the number of tails it has. What number do you have?
* How many fingers are on 3 hands? Double that number.  Multiply that number by 10.  What is your number?
* There were 20 chickens, 3 ducks, and 17 black birds. How many feet?
* Start with  the number of 10’s in 100; multiply that by the number of 100’s in 1,000; Subtract the number of kids in class today.
* Think about the number of legs on one cat; multiply by the number of legs on a bird; multiply by the number of legs on an ant; how many cats can you make with these legs?
* 368 minus 3 hundreds; split this between two friends; add 16 for your final answer
* Take the number of legs on a chair times the number of legs on a person and subtract the number of legs on a spider
* 4 cats.  How many paws? Double it.  Subtract 12.
* 20 kids in a class, 3 went home sick, and 4 came to school late.  How many students were in class?
* The Greenbay Packers rushed for 60 yards in the first quarter, 25 yards in the second quarter, 5 yards in the third quarter, and zero yards in the fourth quarter.  How many total yards? ·
* A dozen divided by 2, quadrupled, times zero The grade you are in, plus Mrs. King’s age, take away 10
* Start with the number of legs on a spider. Multiply by the number of legs on an insect. Divide by the number of legs on a human.
* Start with the number of legs on a table. Multiply by the number of tentacles on an octopus. Subtract the number of students in our classroom.

Object Multi-Step Questions

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| **Multi-Operation** |

* The number of tires on a car. Multiply by the number of tires on a tricycle. Divide by 2.
* The number of days in a week. Add the number of strikes in an out in baseball.  Multiply by the number of eggs in a dozen. Divide by 2.
* 40 jellybeans. Your friend eats half as much. Grandma eats 3 times as many as your friend. How many does Grandma eat?
* I have 12 pairs of shoes I lost three pairs of shoes. How many right shoes do I still own?
* Four dozen eggs. Divide by 8. Times 15.
* I have 4 dozen eggs. I used 1/8 of the eggs to make an omelet, how many eggs are left?
* I had a birthday party and my friend and I ordered a medium 8 sliced pizza. I ate 2 slices and she ate 3 slices. How many slices do we have left?
* You have 4 batches of a dozen Cookies, 8 friends eat 1 cookie right out of the oven, how many cookies do you have left?
* Susan bought some stickers. She used 5 and has 6 left, how many did she buy? How many more should she buy if she wants to give 2 to 4 friends?
* 12 cookies were made.  Dad ate 6 and grandma ate 3.  How many cookies were left?
* Start with the number of wheels on a tricycle. Multiply by 10. Divide by the number of wheels on a unicycle
* How many shoes in 24 pairs Add 2, Divide by 10

Measurement Multi-Step Questions

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| **Fractions** |

* Take the number of quarts in a gallon, add the number of feet in a yard, and add the number of inches in a foot
* 2000 lb. in 1 ton, how many lbs. in ½ ton? Add on 2 tons? Add on 5 tons?
* However many inches in 1 foot + 5 inches?
* Start with 5 yards Subtract 3 feet Subtract 1 yard How many yards are left
* Start with the number of inches in half a foot, double your number then add the number of inches in one foot
* One board is 15 feet long.  Another is 7 feet.  How much longer is the first board? Multiply by 8.  Divide by 2.
* How many inches are in a foot? Divide by 6 Add 20
* How many quarts in 2 gallons? Double that, Divide by 4

Fraction Multi-Step Questions

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| **Place Value** |

* What is ⅓ of 15 x 9
* 3 dozen divided by ½ dozen
* 23 -13, multiplied by 5/10
* ⅗  subtract ⅕ Add ⅖ Add ⅕
* Start with ⅓ of 12, then double your answer
* ⅔ of 18 Take ½ of that Take ½ of that
* What is ½ of 100? What is ½ of that number? What is ⅕ of that number?
* ⅛ + ⅜ = That fraction + 4/8 =? That fraction subtract 2/8 =?
* ¼ of 48 and half your answer
* ⅞-2/8-3/8+3/8 =
* 3 + ¼ + ¼ + ¼
* What is ½ of 30. Multiply the answer by three. Then divide by 5
* 2 ½ + 3 ½ Add 4, then multiply by 7, what number do you have?

Multi Operation Multi-Step Questions

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| **Geometry** |

* What is 50 divided by 10 times 5 subtract 10
* What is the next three numbers in the pattern 25, 50, 75, 100
* 8 x 8 + 2 divided 11
* 10 divided by 5 times 20  subtract 5
* 120 divided by 6 times 2 plus 10
* 400-397 Multiply by 8, then Divide by 6
* 160-25 Subtract 100, then divide by 5
* 20+4 Double it, then divide by 6
* 68-38 Multiply by 5, then divide by 10
* 49+21 Multiply by 3, then subtract 10
* 54 divided by 6 Add 11, then multiply by 5
* 7x3 Double it, then divide by 6
* 5 x 4 Take half of this, then multiply by 10
* 76-26 Multiply by 4, then multiply by 4
* Double 7. Add 12. Divide by 2.
* Double 10. Multiply by 4. Subtract 14. Divide by 2.
* What is 18 divided by 9. Multiply by double 3’s. Add 24.
* 6 fives. Minus 6 ones. Divide by 8 ones.
* 4,126 minus 126 Add 6,000. Divide by 2000
* Take 80 and multiply by 4. Divide by 10. Multiply by 2.
* 600 X 5 + 296=
* What is 100 less than a 1,000? What number do I have if I triple that?
* What is 200 more than 500? Subtract it by 10 less than 50.
* Ten times 3 + ten times 2 + ten times 1
* 98 – 4 tens + 5
* 30 x 2 x 3 + 200 – 20
* What is 81 divided by 9 divided by 3 + 1
* What is 9x50? Add 2 tens, subtract 3 hundreds.
* What is 6x4? Add the product of 2x2. Divide that number by 4.
* 64 divided by what is 8? Add the product of 6 and 5.  Divide the number by 9.  What is the remainder?
* What comes next? 2x6=12, 2x7=14, \_\_x\_\_\_=\_\_\_\_ Take the product and multiply by 10.  Subtract that by 70.
* What is 46 – 23? Multiply the difference by 2.  Add 1,000.
* How many 2’s in 18? Multiply that number by 10.  Subtract half of 40.
* How many 9’s in 45? Multiply that number by 100.  Split that number in half.
* 4x8x10-10=
* 320 divide by 4, multiply by 2, subtract 60
* 4x2x 10, double it
* 5x6+2. What is the remainder after dividing by 5.
* Start with 400. Double it. Add 60. Subtract 40.
* Start with 400 subtract 200, subtract 120, now how many 2’s?
* Start with 3, double it, add 30, multiply by 30.
* 5+4+3 x5-5
* 90-70 +30/5
* 9+what =12 +what =24xwhat =72
* What is in the 100’s place in 8643 Add 100, -32, what’s in the hundreds place
* What is 7+5+2? Multiply by 3 , / by 6
* 400-100-30 Divide by 9,  multiply by 3
* What number is halfway between  0 and 10 Double it, multiply by 4
* 164+20 Round to the nearest 10, divide by 2
* Take 10 tens times 4 ones and double the number.=
* Twelve plus 6 divide by 2 and add 5 =
* 15 less than 35, take half the number and multiply by 30=
* Take 10 tens times 4 ones and double the number.=
* Twelve plus 6 divide by 2 and add 5 =
* 15 less than 35, take half the number and multiply by 30=
* 232 x 2 =? Double that answer?
* 6000 divided by 6? That number divided by 10? That number divided 1?
* 3600 –1800 =? That number – 900? That number – 300?
* 10 x 10 =? That number x 70? That number divided by 7?
* 15 divided by \_\_ =  That answer x \_\_\_ = 18? That answer divided by 2 = \_\_\_?
* What is 54 + 9 =? Add 11? Take away 9?
* 653-100+10+10
* 191+10-100
* 54-40+20+6
* 9 tens – 4 tens + 4 ones?
* Round 463 to the nearest hundred + 26-16
* 20 less than 90+30-50
* 20 greater than 80 + 25+75 -50
* Start with 4,600 Divide by 2 Divide by 10 Multiply by 2 =
* Start with 540 Add 320 Subtract 60 Divide by 2 =
* Start with 9.4 Subtract 6.3 Add 4.4 Subtract 4 =
* Start with 360 Divide by 36 Multiply by 10 Multiply by 100 =
* How many days are in 9 weeks Divide that by 3 Multiply by 10 =
* Take 50 times 60 Multiply by 2 Divide by 100 =
* Estimate the product of 40 x 32 Divide by 2 Add 400=
* What is 16 + 4? Add 11. Subtract 4. Add 5.
* What is 16 + 5? Subtract 3. Add 6. Subtract 3.
* What is 200 + 426? Subtract 20. Add 40.
* What is 400 + 210? Subtract 50. Add 7. Subtract 20.
* What is 40 + 620? Add 40. Subtract 25. Add 10
* What is 20 + 150? Add 50. Subtract 20. Add 3.
* Add 26 + 20. Add 30. Subtract 40. Add 4.
* How much greater is 70 than 40? How much greater is 50 than that number? How much less is 3 than that number?
* 22 x 2 Take away 10.  Add 5.
* How much is 26 tens? Take away 6 tens.  Add 1 hundred
* Add 13 + 4 Minus 1.  Divide by 4
* Make the largest number you can with 1, 3, and 2 Minus 9.  Add 8
* Round 81 to the nearest ten Double it.  Divide by 4
* 20 + 32 Find half.  Find half again
* How many feet in 2 yards Add 2 ft.  Divide by 4
* What times 8 is 56?  Add 3.
* Multiply by 10 3630 + 100 Subtract 30.
* Subtract 700 6 times 2 Add 3.  Divide by 5
* Think of a number that is 20 less than 70. Take half of that number. How much more do I need to get 100?
* Start with 1,000; Subtract 4 hundreds; subtract 6 tens; divide by 6
* Take 89 and add 210; Round that to the nearest 100; add 1,500
* Take 80 X  20; divide that by 4; multiply that by 5
* Start with 43, take away 10, take away 3, then take away 5
* Start with 5 x 10 then add the answer to 3 x 10 Start with 12 x 10, divide your answer by 6
* Start with 1000, halve this number, halve this number
* Start with 7 tens, and 4 ones, add 2 tens Start with 9 and double it, divide by 3
* What is 40 + 14 Add 10.  How many would it take to reach the next 10?
* Double 15. Subtract 7.  Add twenty.  What is the number?
* 94 tens Add 5 tens.  Subtract 10 tens.
* What number is halfway between 100 and 200? Divide by 2.  Add 25.
* What is 160-50? Add 100.  Subtract 30.
* What is 45 – 9? Divide by 9.  Multiply by 3.
* What is 45 – 19? Add 20.  Add 5.
* What is 45- 29? Add 14.  Double it.
* 81 divided by 9, divided by 3
* 54 divided by 9, multiply by 4, subtract 12
* 72 divided by 8, add 30, subtract 15
* 100 divided by 5, subtract 10, multiply by 10
* 7 times what is 56? add 20 divided by 4
* 5 times what is 50? add 10 divide 6
* 8 times 6, add 20 divide
* Double 8, times 3, divide by 4
* 20 x 4,  plus 20,  subtract 50
* How many times 7 go into 28, times 100, plus 50
* What is 80 + 8, divided by 11, tripled
* What is 32 divided by 8, times 5, doubled
* What is 8 tens and 3 ones? Subtract 4 tens. Add 2 hundreds.
* What is 3 x 300? Subtract 100. Double it.
* What times 9 is 36? Add 41. Divide by 9.
* 120+140.  Divide by 2.Subtract 10.
* What is 690+90? Subtract 80. Add 5.
* How many in half a dozen? Multiply times 8. Divide by 12.
* Round 87 to the nearest ten.  Add 20.  Double it.
* Round 3333 to the nearest 1000.  Add 6.
* What times 9 is 72?  Multiply times 3. Add 6.
* Double 30 subtract 10 divide by 5 43+9-22x3
* 146 x 10 Add 40 Times 2
* 14 subtract 6 Subtract 4 Times 100
* How many 10’s in 200 Times 4 Divide by 10
* 436 times 10 Plus 40 Add 600
* In the number 352 what is the value of the 5 Divided by 2 Times 4
* 30 x 6 Subtract 80 Divide by 10
* 90 x 4 Subtract 60 Divide by 10
* 8 x 6 Divide by 12 Subtract 2
* 4 x 8 Divide by 2 Divide by 4.
* Start with 45. Divide by 9. Add 7.
* Start with 63. Add 9. Divide by 8
* Start with 36. Subtract 4. Divide by 4.
* Start with 99. Divide by 11. Multiply by 100.
* Halfway between 100 & 200 add 30, divide by 2
* Start with 7 Add 8 Divide by 5 Subtract 1
* 32 divided by \_\_\_\_ is 4. Divided by 2, Multiply by 5
* Round 614 to the nearest hundred. Divide by 300, Multiply by 3
* 7 x 9 Subtract 10, Add 7
* 9 x 0 Add 7 Multiply by 3
* What is 60 more than 130? Subtract 10, Divide by 9
* 40 x 7 – 80
* 75 + 75 divided 25
* Round 175 to nearest 100,  subtract 25

Addition Multi-Step Questions

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| **Measurement** |

* 4 tens + 2 hundreds + 6 ones + 1 thousand
* Add 9 and 7. Add 6. Add 4.
* 600+200+60+30
* 6+9+5+4
* 8+3+5+2+4

Subtraction Multi-Step Questions

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| **Time + Money** |

* What is 646 – 100, subtract 2 tens?
* 150-40-30-20

Multiplication/Division Multi-Step Questions

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| **Other** |

* 7 x 5 x 0
* 10 x 4 x 5 x 2
* 64 divided by 8 divided by 8
* 2 x 2 x 2 x 2 x 2 x 2=