3rd Grade Mental Math

Multi-Step Question Bank

Money Multi-Step Questions

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| **Addition** |

* Jill has $.75.  She bought a candy bar for $.25 and a piece of gum for $.25.  How much money does she have left?
* Amanda had $4.00.  She lost half of her money and spent $1.50 on lip gloss.  How much money does she have left?
* 75 cents is how many quarters? How many more quarters would you need to make $2.00?
* Double 24, divide by 3, plus the number of pennies in a dime
* What is 10 x 4, divided by 2, equals how many dimes?
* $15.00 - $8.00 + $2.00
* Double 5 multiply is by the value of a dime
* 30+60 Plus the value of a quarter
* 6 dimes equals how many cents? What is the value of 6 dimes and a quarter?
* Round 750 to the nearest hundred. Round $7.50 to the nearest dollar, and then add the value of 3 quarters.
* How much larger is 75 than 25? If this was in cents, and you bought 2 gumballs for a dime each, how much do you have left over?
* What is the value of 1 quarter, 1 dime, and 2 pennies?
* What is the value of 1 quarter, 3 dimes, and 1 nickel?
* What is the value of 2 quarters and 2 dimes?
* What is the value of 4 dollars, 3 dimes, and 8 pennies?
* Allison has 3 quarters, 2 dimes, and 4 pennies. Does she have enough money to buy a book that costs $1.00?
* 77 minus 50 equals what? Minus 2. Plus 3 quarters
* 96-20, minus the value of a quarter, plus 4 dimes

Time/Date Multi-Step Questions

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|  **Subtraction**  |

* How many minutes in an hour? How many minutes in 2 hours.  How many minutes are left if you watch a 45 minute show?
* How many hours in a day? If you sleep for 8 hours, how many hours are left? If you are at school for 7 hours, how many hours are left in the day?
* How many days in a week? How many days in two weeks?  How many weeks in 28 days?
* How many months are in 1 year? Multiply by 3.  Divide by 4.
* It’s now 9:30.  What time will it be in 2 hours? How many hours from that time will it be 2:30?
* It is now 8:30. What time will it be in 4 hours? How many more hours will it be before 2:30?
* How many days in a week? Add 10. Subtract 2.
* If it is 12:55, how many minutes until it is 1:00? How many more minutes until it is 1:15?
* Double 12, plus 6, is what part of an hour?
* What is 10 x 6, plus minutes in a half hour, plus 10, divide by 10
* How many minutes in an hour? How many minutes in 2 hours.  How many minutes are left if you watch a 45 minute show?
* How many hours in a day? If you sleep for 8 hours, how many hours are left? If you are at school for 7 hours, how many hours are left in the day?
* How many days in a week? How many days in two weeks?  How many weeks in 28 days?
* It is 11:30 am, what time will it be in 2 hours? Minus 30 minutes
* What’s 40 minutes less than 3 hours?
* Multiply how many days in a week by 3 and subtract 2 days
* It is now 9:45. What time will it be in 2 hours? It is 30 minutes earlier. What time is it now?
* 46+22  + minutes in hour, + seconds in a minute
* If art class begins as 1:15 and it lasts for 30 minutes, when will art class be over? Add an hour and fifteen minutes.  Subtract 30 minutes.

Shape/Angles Multi-Step Questions

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| **Multiplication** |

* 22x2= Subtract 4.  Divide by the number of sides in a pentagon.
* 5 times what number equals 35? Add the number of sides on a triangle.  Subtract the number of sides on a quadrilateral.
* What is 8 + 8? To that, add the double of 5 + 5. Now to that number, subtract the double of the number of sides on a triangle.
* 89 + 3 = 89 + the size of a pentagon – 12=
* Divide the sides of a hexagon by 2
* Multiply the number of sides on a square by 6
* How many sides does a triangle have? Multiply by 10.  Divide by 5.
* How many cm in a meter, plus the number of pennies in a dollar, divide by 10
* How many inches in 2 feet, divided by number of quarters in a dollar.

People/Animal Multi-Step Questions

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| **Division** |

* How many eggs in a dozen? Multiply this by the number of sides of a triangle.
* 5 kittens have how many eyes? If 3 kittens go to sleep, how many eyes are still open?
* Mark is 10 years old, his sister is twice his age, his brother is 5 years younger than the sister. How old are his brother and sister?
* Five chickens have how many legs? Add the number of minutes in an hour.  Double that number.
* Five cows have how many legs? Double that number.  Subtract the number of days in a week.

Multi Operation Multi-Step Questions

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| **Geometry** |

* How much greater is 9 than 5? Take that answer and multiply it by 3.  Now add 2 more.
* What is the difference between 70 and 60? Multiply that by 5.  Now add half of 8.
* What is 65 – 5? Double that number.  What number is 1 less?
* What number is 1 less than 299? Now add 5.
* What is 500 – 300? Now add 6 hundreds.  Take 3 tens away.
* How much more is than 350 is 400? Double that number.  Add 6 more.
* What number is 2 less than 199? Add 3 more.
* What number comes after 57? Subtract 8. Divide by 2.
* What number comes after 62? Divide that number by 9.  Subtract 7.
* What number comes after 29? What number is double that? Divide by 10?
* What is 100-20? What number is half of that?  What number is 12 less than that?
* How much greater is 90 than 50? Take that answer and double it.  Now add 2 more.
* What is the sum of 72 + 30? Now, add 6 tens and 4 ones.
* What is the sum of 65 + 5? Now, Double that number.
* How many days in a week? How many days in two weeks?  How many weeks in 28 days?
* What is 88-3? What is 15 more?  Divide by 10?
* What is 38-8? What is 40 less?  Add 10.
* 80-10 is what? Add 5. Divide by 3.
* What is 70 – 50 + 20?
* What is (80 – 40 – 30) x 2?
* Subtract 200 from 500 and add 70.
* What is 400 less than 1000, now double it.
* Subtract 20 from 78, add 2, subtract 5.
* Add 80 to 316, subtract 5, add 9.
* 6, add 5, subtract 4, add 2 =
* 8, add 7, subtract 9, add 4 =
* 4, add 9, subtract 7, add 0 =
* 7, add 9, subtract 6, add 10 =
* Round 265 to the nearest 100. Add 65.  Then round to the nearest 100.
* Divide 40 by 8. Multiply the quotient by 5.  Double your product.
* How many months are in 1 year? Multiply by 3.  Divide by 4.
* What is half of 50? Double your answer.  Multiply by 2.
* Multiply 22 by 2. Divide by 11. Multiply by 0.  Multiply by 1.
* Divide 35 by 5.  Multiply by 2.
* 30 divided by 5. Multiply by 6.
* What is 3 x 5, plus 2?
* What is 9 x 3 plus 1?
* What is 342 x 0 + 25?
* What is (18 ÷ 2) x 3?
* What is (20 x 6) x 2?
* Double 400 and subtract 50
* Round 650 to the nearest 100 and add 350.
* What is 15 ÷ 3 x 20?
* Double 60. Subtract 3.
* What is one half of 18? Multiply by 0.
* What is 30 divided by 5? Subtract the value of a nickel.
* What is the value of 6 in 69? Multiply by the value of a dime.
* What is 1500 – 900? Add 2. Subtract a dozen.
* What is 5,923 x 0? Multiply by a dozen. Add a dozen.
* What is 60 x 5? Multiply by 4. Double it.
* What is 88 minus 3? Add 5. Subtract 4.
* Start with 67, Subtract 7 Add 2 Add 6
* 84 minus 10 Subtract 4 Add 5
* Round 53 to the nearest 10 Subtract 10 Add 7
* 5 groups of 3 Double it Subtract 3
* What is the next number in the pattern? 30, 35, 40, 45 Double it Subtract 3
* What are the next two numbers in the pattern? 9, 18, 27, \_\_\_, \_\_\_ Divide the last number by 5 Double it
* What number comes before this pattern? \_\_\_, 14, 21, 28 Add 8 to that number Divide by
* Round 372 to the nearest hundred Add 5 tens Add 3 ones
* 24 tens (240) What is the value if you take away 10 tens?
* 36 tens (360) What is the value if you add 10 tens?
* 98 tens (980) What is the value if you take away 20 tens and add 1 ten?
* 70+60=(130) What is the value if you add 20 and then take away 50?
* 80+70= (150) What is the value if you take away 5 tens and add 100?
* 4 hundreds and 3 hundreds (700) What is the value if you add 3 hundreds and subtract 5 hundreds?
* 5 and 4 hundreds (900) What is the value if you add 1 one hundred and take away 3 one hundreds?
* 4 hundreds and 7 hundreds (1100) What is the value if you take away 100 and add 100?
* What are the next 3 numbers?  1,2,4,7 (11, 16, 22) Double the last number and subtract 4
* 24 tens (240) What is the value if you take away 10 tens?
* 36 tens (360) What is the value if you add 10 tens?
* 98 tens? What is the value if you take away 20 tens and add 1 ten?
* 70+60=(130) What is the value if you add 20 and then take away 50?
* 80+70= (150) What is the value if you take away 5 tens and add 100?
* 4 hundreds and 3 hundreds (700) What is the value if you add 3 hundreds and subtract 5 hundreds?
* What are the next 3 numbers?  1,2,4,7 (11, 16, 22) Double the last number and subtract 4
* 2 times what equals 16 Minus 4 Plus 3
* Write the number that is 100 less than 723 Add 20 to that number.
* What is 2 times 30? Subtract 50 Multiply by 2
* Write the number that is 10 more than 834. Add 100.
* Double 500, subtract 300.
* 40 divided by 8 Plus 5
* 3 times 3, Times 9
* 9 + 5, Divided by 2
* 4 x 5, Plus 5 x 5
* 7 tens, Plus 8 hundreds
* 800-300, Plus 200
* 10 x 5, Divided by 10
* 9 x 9, - 37
* 9 + 9, Divided by 2
* 5 x 7, minus 5, divided by 6
* 5 (9s) + 10, divided by 5, minus 1
* 5 x what = 30, double that, divide by 2
* Double 6, times 2, double that, add 2
* 600 + 400, split in 1/2 , plus 50
* Multiply 9 and 5, subtract 2 groups of 5
* 60 divided by 10, times 2, then double
* 40 divided by 5, times 10, subtract 20
* Double 30, divide by 2
* Take ½ of 80, add 30
* 20 divided by 5, times 10
* How many 10’s are in 50? Multiply that by 10.
* 100 divided by 2, minus 35.
* 100 divided by 10, times 4.
* Multiply 5 by 3, plus 20, times 0
* 100 – 4 add one ten
* 26 + 24 x 2
* 6 x 5 then double the answer
* 800 + 800 then divide by 2
* 90 – 30 + 20 then add two hundreds
* 13 – 7 x 5
* Double 7 times 2
* Multiply 2 x 8 Divide by 4
* 30 divided by 5 times two
* What is half of 40 divided by 4
* What is 12 divided by 6 times 2
* What number times 5 equals 15 doubled
* 6 times 5 plus 4
* Double 40 plus 10 twice
* 391 plus 3 rounded to the nearest hundred
* What times 5 equals 30 plus 4
* What number is number 30 more than 50 divided by 10
* How many tens are there in one hundred tripled
* What number comes after 57? Subtract 8. Divide by 2.
* What number comes after 62? Divide that number by 9.  Subtract 7.
* What number comes after 29? What number is double that? Divide by 10?
* What is 100-20? What number is half of that?  What number is 12 less than that?
* What is 88-3? What is 15 more?  Divide by 10?
* What is 38-8? What is 40 less?  Add 10.
* 80-10 is what? Add 5. Divide by 3.
* 300+250 Divided by 10
* 14-9 Times 3 minus 5
* 32-26 Double it, double it again
* 9+7 Divided by 4
* 18+17 Divided by 5
* 412-112 Plus two tens
* 352+400  Minus 10x10
* 140-70 Divided by 2
* 14 – 9 + two tens =
* Divide how many 5’s are in 45 by 3:
* 400 + 300 – 200 =
* Triple five then subtract 3:
* Double the difference of 27 and 19:
* 438 + 10 – 50 + 5 =
* What is 30 more than 50, and 20 (or 25 for a more difficult problem) less than that?
* Round 65 to the nearest ten, then round the answer to the nearest hundred.
* Write this number: 5 hundreds, 6 ones. What is 13 ones, and 12 tens?
* 70 + 60 – 30 =
* Round 188 to the nearest hundred and then double it.
* Round 425 to the nearest hundred and add 350.
* What number is between 36 & 38? What is 10 more than that number?
* What number is between 49 & 51? Double the answer.
* What number is 20 more than 30? What is half of that?
* What is 82 + 3? What is 10 less?
* What number is 7 more than 20? What is that divided by 9?
* Write the number 3 hundreds 6 tens and 4 ones. Add 2000.
* Write the number 5 hundreds 2 tens and 7 ones. What is 500 more than 5 hundreds 2 tens and 7 ones.
* 46 tens? How many more tens do you need to get to 500?
* 93 tens? How many more tens do you need to get to 1000.
* What number is 3 more than 50? How many more do you need to get to 100. ?
* What is 16 + 16? add half of 16. Add 6 + 6 to that.
* What is 19 + 19? Subtract the double of 4. Divide in half.
* What is 15 + 15? Add the double of 6.
* Double 12. Double that. Add 2 more.
* Double 24. Subtract the double of 9. Divide by 2.
* What comes next? 12, 14, 16, \_\_\_\_\_. Double that. Divide it by 6.
* What comes next? 25, 30, 35, \_\_\_\_\_. Divide it by 10. Add 2 more.
* What comes next? 18, 27, 36, \_\_\_\_\_. Divide it by 5. Double it.
* How much smaller than 28 than 32? What would you have if you added 5 more?
* What is 40 more than 237 – 100?
* Write the number for eight ones and four tens. Divide by two. Add one.
* Write the number that has seven hundreds six tens and zero ones. Subtract 100. Subtract four tens.
* What is two less than 47? Subtract five. Add two.
* What is four less than 68? Divide by one. Add the number of days in a week.
* What is 70 – 5? Multiply by 0. Add 5.
* What number is 30 more than 60? Divide by 10. Add 4.
* What number is 50 more than 60? Subtract 10. Add 10.
* Round 28 to the nearest 10. Divide by 3. Multiply by 1.
* Round 42 to the nearest ten. Subtract 20. Divide by 10.
* 66-3 Add 10, then take away another 3
* 77-4 Subtract 3, Divide by 10
* 5 less than 49 Divide by 11, times 0
* 6 less than 77 Times 0, plus 10
* 38-5 Plus 2, divide by 5
* 47-3 Subtract 10, plus 2
* 60+30 Plus 10, Divided by 10
* 600+300 Plus 10, Cut in half
* 4 more than 75 Plus 11, Minus 20
* 4 more than 52 Plus 4, Divided by 60
* What is 2 less than 18? What is 2 less than 16? What is 2 less than 14?
* What is 2 less than 32? What is 2 less than 30? What is 2 less than 28?
* What is 2 less than 100? What is 2 less than 98? What is 2 less than 96? What is 2 less than 94?
* What is 2 less than 470? What is 2 less than 468? What is 2 less than 466?
* What is 2 less than 1000? What is 2 less than 998? What is 2 less than 996?
* 27+6= plus 17. Plus 16.
* 2 times what number equals 16? Add a dozen.  Divide by 2.
* 96 minus 30 equals what? Round to the nearest 10 and add 20.
* What is 100 x 7? Subtract 100.  Divide by 2.
* What is 4,956 x 0? Times 7.  Times 15.
* What is 600 + 150? Round to the nearest hundred.  Add 42.

Addition/Subtraction Multi-Step Questions

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| **Measurement** |

* 70 + 30 + 50 =
* Add 30 and 20. Add 40.
* Start with 123 Add 2 Add 5
* What is 14 + 14? Divide the double of 2. Double that number.
* What is 300 plus 356? Plus 400. Plus 456=
* What is 513 plus 10? Plus 4 tens? Plus 3 tens and 6 ones=
* What is 90 – 30- 10?
* What is 900 – 400 – 200?
* 15 – 5 – 3 =
* 150- 50 – 30 =
* 1,500 – 500 – 300 =
* 140 – 40 – 40 =
* 170 – 70 – 20 =