

# Mental Math · Friendly Numbers — Practice

CKSTEM Math Problem Solving · Grades 2–4

## 1 BEND AND REPAY

What is  $9 + 4$ ?

WORK IT OUT HERE

## 2 BEND AND REPAY

$9 + 7 = ?$

WORK IT OUT HERE

## 3 BEND AND REPAY

$8 + 6 = ?$

WORK IT OUT HERE

**4** BEND AND REPAY

$9 + 8 = ?$

WORK IT OUT HERE

**5** BEND AND REPAY

Pip the puppy chases 19 leaves, then 7 more. How many leaves did Pip chase in all?

WORK IT OUT HERE

**6** BEND AND REPAY

A jar holds 29 marbles. You drop in 5 more. How many marbles now?

WORK IT OUT HERE

**7** BEND AND REPAY

There are 49 stickers in a book and you add a sheet of 8. How many stickers altogether?

WORK IT OUT HERE

**8** BEND AND REPAY

A train car has 18 seats and the next car has 6 seats. How many seats in the two cars?

WORK IT OUT HERE

**9** BEND AND REPAY

$98 + 5 = ?$

WORK IT OUT HERE

**10** BEND AND REPAY

A library shelf has 199 books. A box of 6 more arrives. How many books does the shelf hold now?

WORK IT OUT HERE

**11** MAKE TEN

What is  $8 + 5$ ?

WORK IT OUT HERE

**12** MAKE TEN

$7 + 6 = ?$

WORK IT OUT HERE

**13** MAKE TEN

$9 + 4 = ?$

WORK IT OUT HERE

**14** MAKE TEN

$6 + 8 = ?$

WORK IT OUT HERE

**15** MAKE TEN

A ladybug has 8 spots on one wing and 7 on the other. How many spots in all?

WORK IT OUT HERE

**16** MAKE TEN

A bookshelf holds 8 storybooks and 9 picture books. How many books are on the shelf in all?

WORK IT OUT HERE

**17** MAKE TEN

A plate has 6 crackers and you add 9 more. How many crackers now?

WORK IT OUT HERE

**18** MAKE TEN

A flower bed has 7 bees on it and 9 more land. How many bees are on the flower bed in all?

WORK IT OUT HERE

**19** MAKE TEN

$$8 + 5 + 7 = ?$$

WORK IT OUT HERE

**20** MAKE TEN

At a party there are 9 red balloons, 8 blue balloons, and 6 green balloons. How many balloons in all?

WORK IT OUT HERE

**21** MAKE HUNDRED (CLOSEST-SUM CARDS)

Cards 2, 4, 6, 7. Build two 2-digit numbers using each card once. What is the closest sum to 100 you can make?

WORK IT OUT HERE

**22** MAKE HUNDRED (CLOSEST-SUM CARDS)

Cards 4, 4, 5, 6. Use each card once to make two 2-digit numbers. What is the closest sum to 100?

WORK IT OUT HERE

**23** MAKE HUNDRED (CLOSEST-SUM CARDS)

Cards 1, 4, 6, 8. Use each card once to build two 2-digit numbers. What sum closest to 100 can you reach?

WORK IT OUT HERE

**24** MAKE HUNDRED (CLOSEST-SUM CARDS)

Cards 2, 3, 6, 8. Use each card once to build two 2-digit numbers. What sum closest to 100 can you reach?

WORK IT OUT HERE

**25** MAKE HUNDRED (CLOSEST-SUM CARDS)

Maya draws snack-label cards 1, 2, 8, 9. Using each digit once, she builds two 2-digit prices and adds them. What sum closest to 100 can she make?

WORK IT OUT HERE

**26** MAKE HUNDRED (CLOSEST-SUM CARDS)

Cards 3, 4, 5, 8. Use each once to form two 2-digit numbers. What is the closest sum you can reach to 100?

WORK IT OUT HERE

**27** MAKE HUNDRED (CLOSEST-SUM CARDS)

A game deals you cards 2, 3, 6, 7. Build two 2-digit numbers using each card once. What sum lands closest to 100?

WORK IT OUT HERE

**28** MAKE HUNDRED (CLOSEST-SUM CARDS)

Cards 1, 2, 7, 8. Use each digit once to make two 2-digit numbers. What is the closest sum to 100?

WORK IT OUT HERE

**29** MAKE HUNDRED (CLOSEST-SUM CARDS)

Cards 1, 3, 5, 8. Use each card once and find the closest sum to 100 you can reach.

WORK IT OUT HERE

**30** MAKE HUNDRED (CLOSEST-SUM CARDS)

Cards 2, 3, 5, 7. Using each card once, what is the closest sum to 100?

WORK IT OUT HERE

**31** ROUND AND REPAY (2-DIGIT)

What is  $54 + 38$ ?

WORK IT OUT HERE

**32** ROUND AND REPAY (2-DIGIT)

$47 + 29 = ?$

WORK IT OUT HERE

**33** ROUND AND REPAY (2-DIGIT)

$63 + 28 = ?$

WORK IT OUT HERE

**34** ROUND AND REPAY (2-DIGIT)

$74 + 19 = ?$

WORK IT OUT HERE

**35** ROUND AND REPAY (2-DIGIT)

A bookstore sold 55 books on Saturday and 39 on Sunday. How many books did it sell that weekend?

WORK IT OUT HERE

**36** ROUND AND REPAY (2-DIGIT)

A bus has 46 passengers and 48 more climb on at the next stop. How many passengers now?

WORK IT OUT HERE

**37** ROUND AND REPAY (2-DIGIT)

You collect 67 bottle caps, then find 29 more in a drawer. How many bottle caps in all?

WORK IT OUT HERE

**38** ROUND AND REPAY (2-DIGIT)

A garden has 82 tulips and 18 daffodils. How many flowers grow in the garden?

WORK IT OUT HERE

**39** ROUND AND REPAY (2-DIGIT)

A class read 86 pages on Monday and 48 pages on Tuesday. How many pages did they read over the two days?

WORK IT OUT HERE

**40** ROUND AND REPAY (2-DIGIT)

A food drive collected 138 cans, then a second school added 49 more. How many cans were collected in total?

WORK IT OUT HERE

**41** SUBTRACT BY ROUNDING THE SUBTRAHEND UP

What is  $63 - 28$ ?

WORK IT OUT HERE

**42** SUBTRACT BY ROUNDING THE SUBTRAHEND UP

$72 - 47 = ?$

WORK IT OUT HERE

**43** SUBTRACT BY ROUNDING THE SUBTRAHEND UP

$54 - 29 = ?$

WORK IT OUT HERE

**44** SUBTRACT BY ROUNDING THE SUBTRAHEND UP

$81 - 38 = ?$

WORK IT OUT HERE

**45** SUBTRACT BY ROUNDING THE SUBTRAHEND UP

A bakery made 95 muffins and sold 47 before lunch. How many muffins are left?

WORK IT OUT HERE

**46** SUBTRACT BY ROUNDING THE SUBTRAHEND UP

There are 84 stickers in a pack and you give away 39. How many stickers do you have left?

WORK IT OUT HERE

**47** SUBTRACT BY ROUNDING THE SUBTRAHEND UP

A pond has 76 frogs and 28 hop away. How many frogs remain?

WORK IT OUT HERE

**48** SUBTRACT BY ROUNDING THE SUBTRAHEND UP

You have 90 trading cards and trade away 49. How many cards are left?

WORK IT OUT HERE

**49** SUBTRACT BY ROUNDING THE SUBTRAHEND UP

A theatre has 132 seats and 58 are taken. How many seats are still empty?

WORK IT OUT HERE

**50** SUBTRACT BY ROUNDING THE SUBTRAHEND UP

A jar holds 145 jelly beans. You eat 39 and your friend eats 28. How many jelly beans are left?

WORK IT OUT HERE

**51** MAKE THOUSAND (HUNDREDS-FIRST)

Cards 1, 2, 3, 5, 6, 8. Build two 3-digit numbers using each card once — what is the closest sum to 1000 you can make?

WORK IT OUT HERE

**52** MAKE THOUSAND (HUNDREDS-FIRST)

Cards 1, 2, 4, 5, 7, 8. Use each card once to build two 3-digit numbers. What sum closest to 1000 can you reach?

WORK IT OUT HERE

**53** MAKE THOUSAND (HUNDREDS-FIRST)

Cards 1, 2, 3, 6, 7, 8. Make two 3-digit numbers using each card once. What is the closest sum to 1000?

WORK IT OUT HERE

**54** MAKE THOUSAND (HUNDREDS-FIRST)

Cards 1, 3, 4, 5, 6, 8. Build two 3-digit numbers using each card once. What sum lands closest to 1000?

WORK IT OUT HERE

**55** MAKE THOUSAND (HUNDREDS-FIRST)

At a digit-card carnival, Rosa is dealt cards 2, 3, 5, 7, 8, and 9. Using each card once, she builds two 3-digit numbers and adds them. What sum closest to 1000 can she reach?

WORK IT OUT HERE

**56** MAKE THOUSAND (HUNDREDS-FIRST)

Cards 2, 3, 4, 5, 6, 7. Use each card once to make two 3-digit numbers. What sum closest to 1000 can you reach?

WORK IT OUT HERE

**57** MAKE THOUSAND (HUNDREDS-FIRST)

Lila pulls locker-tag digits 2, 3, 5, 6, 7, and 8. Using each digit once, she builds two 3-digit numbers. What is the closest sum to 1000 she can reach?

WORK IT OUT HERE

**58** MAKE THOUSAND (HUNDREDS-FIRST)

At a science fair, Leo collects ribbon-number cards 2, 3, 5, 6, 7, and 8. Using each digit once, he builds two 3-digit scores and adds them. What sum closest to 1000 can he make?

WORK IT OUT HERE

**59** MAKE THOUSAND (HUNDREDS-FIRST)

Cards 1, 2, 3, 7, 8, 9. Build two 3-digit numbers using each card once. What is the closest sum you can reach?

WORK IT OUT HERE

**60** MAKE THOUSAND (HUNDREDS-FIRST)

Cards 1, 2, 3, 4, 6, 8. Use each card once to make two 3-digit numbers. What is the closest sum to 1000?

WORK IT OUT HERE

**61** SAFE-SIDE ROUNDING

Items cost \$19, \$22, and \$38. You have \$90. Round each price up to check: is \$90 enough? Answer Yes or No.

WORK IT OUT HERE

**62** SAFE-SIDE ROUNDING

Snacks cost \$23 and \$18. You have \$60. Round each price up to check: is \$60 enough? Answer Yes or No.

WORK IT OUT HERE

**63** SAFE-SIDE ROUNDING

A field-trip kit costs \$28, \$31, and \$19. You have \$100. Round each price up to check: is \$100 enough? Answer Yes or No.

WORK IT OUT HERE

**64** SAFE-SIDE ROUNDING

Items cost \$24, \$48, and \$33. You have \$100. Round each price up to check: is \$100 enough? Answer Yes or No.

WORK IT OUT HERE

**65** SAFE-SIDE ROUNDING

You want toys priced \$21, \$34, and \$17, and you have a \$100 bill. Round up to decide: is \$100 enough? Answer Yes or No.

WORK IT OUT HERE

**66** SAFE-SIDE ROUNDING

Party supplies cost \$38, \$47, and \$22. You have \$100. Round up to check: is \$100 enough? Answer Yes or No.

WORK IT OUT HERE

**67** SAFE-SIDE ROUNDING

A bus seats 50. Three school clubs have 18, 14, and 19 members. Round each group up to check: will everyone fit on one bus? Answer Yes or No.

WORK IT OUT HERE

**68** SAFE-SIDE ROUNDING

You have 75 minutes before dinner. Three chores take 19, 22, and 13 minutes. Round each up to check: is 75 minutes enough? Answer Yes or No.

WORK IT OUT HERE

**69** SAFE-SIDE ROUNDING

You have \$120 for a backpack (\$48), shoes (\$59), and a water bottle (\$18). Round each price up to decide: is \$120 enough? Answer Yes or No.

WORK IT OUT HERE

**70** SAFE-SIDE ROUNDING

A hall holds 200 seats. Four classes have 42, 33, 47, and 38 students. Round each class up to check: will every student have a seat? Answer Yes or No.

WORK IT OUT HERE

# Answer Key

Each answer comes with a hint that names the move. The tag says which video to rewatch if you are stuck.

## 1. 13 — *Bend and Repay*

Bend 9 up to 10 (that takes 1 from the 4, leaving 3), add to make 10, then repay by adding the leftover 3.

## 2. 16 — *Bend and Repay*

Bend 9 up to 10 using 1 from the 7, then add the remaining 6 to 10.

## 3. 14 — *Bend and Repay*

Bend 8 up to 10 using 2 from the 6, then add the leftover 4 to 10.

## 4. 17 — *Bend and Repay*

Bend 9 up to 10 using 1 from the 8, then add the remaining 7 to 10.

## 5. 26 — *Bend and Repay*

Bend 19 up to 20 by taking 1 from the 7, add to reach 20, then add the leftover 6.

## 6. 34 — *Bend and Repay*

Bend 29 up to 30 by taking 1 from the 5, then add the leftover 4 to 30.

## 7. 57 — *Bend and Repay*

Bend 49 up to 50 by taking 1 from the 8, then add the leftover 7 to 50.

## 8. 24 — *Bend and Repay*

Bend 18 up to 20 by taking 2 from the 6, then add the leftover 4 to 20.

## 9. 103 — *Bend and Repay*

Bend 98 up to 100 by taking 2 from the 5, then add the leftover 3 to 100.

## 10. 205 — *Bend and Repay*

Bend 199 up to 200 by taking 1 from the 6, then add the leftover 5 to 200.

## 11. 13 — *Make Ten*

Make ten first: 8 needs 2, so split the 5 into 2 + 3, add the 2 to make 10, then add the 3.

## 12. 13 — *Make Ten*

Make ten first: 7 needs 3, so split the 6 into 3 + 3, make 10, then add the leftover 3.

## 13. 13 — *Make Ten*

Make ten first: 9 needs 1, so split the 4 into 1 + 3, make 10, then add the leftover 3.

## 14. 14 — *Make Ten*

Make ten first: 6 needs 4, so split the 8 into 4 + 4, make 10, then add the leftover 4.

## 15. 15 — *Make Ten*

Make ten first: 8 needs 2, so split the 7 into 2 + 5, make 10, then add the leftover 5.

## 16. 17 — *Make Ten*

Make ten first: 8 needs 2, so split the 9 into 2 + 7, give the 2 to make 10, then add what is left over.

## 17. 15 — *Make Ten*

Make ten first: 6 needs 4, so split the 9 into 4 + 5, give the 4 to make 10, then add the leftover 5.

## 18. 16 — *Make Ten*

Make ten first: 7 needs 3, so split the 9 into 3 + 6, give the 3 to make 10, then add what is left over.

## 19. 20 — *Make Ten*

Make ten twice: split the 5 into 2 + 3 so  $8 + 2 = 10$ , then make ten again with the 7.

## 20. 23 — *Make Ten*

Make ten first: 9 needs 1, so split the 8 into 1 + 7 to make 10, then add the 7 and the 6.

## 21. 100 (74 + 26). — *Make Hundred (Closest-Sum Cards)*

Aim the columns: pick tens that add to 9 (7 + 2) and ones that add to 10 (4 + 6), so the ones carry.

**22. 100 (54 + 46).** — *Make Hundred (Closest-Sum Cards)*

Aim the columns: make the tens add to 9 (5 + 4) and the ones add to 10 (4 + 6).

**23. 100 (84 + 16).** — *Make Hundred (Closest-Sum Cards)*

Aim the columns: make the tens add to 9 (8 + 1) and the ones add to 10 (4 + 6).

**24. 100 (68 + 32).** — *Make Hundred (Closest-Sum Cards)*

Aim the columns: make the tens add to 9 (6 + 3) and the ones add to 10 (8 + 2), so the ones carry.

**25. 101 (82 + 19).** — *Make Hundred (Closest-Sum Cards)*

Aim the columns: make the tens add to 9 (8 + 1), then put the leftover ones (2 and 9) as close to 10 as you can.

**26. 101 (53 + 48).** — *Make Hundred (Closest-Sum Cards)*

Aim the columns: make the tens add to 9 (5 + 4), then put the leftover ones (3 and 8) as close to 10 as you can.

**27. 99 (23 + 76).** — *Make Hundred (Closest-Sum Cards)*

Aim the columns: make the tens add to 9 (2 + 7 or 3 + 6), then put the leftover ones as close to 10 as you can.

**28. 99 (12 + 87).** — *Make Hundred (Closest-Sum Cards)*

Aim the columns: make the tens add to 9 (1 + 8 or 2 + 7), then put the leftover ones as close to 10 as you can.

**29. 98 (83 + 15).** — *Make Hundred (Closest-Sum Cards)*

Aim the columns: make the tens add to 9 (8 + 1), then put the leftover ones (3 and 5) as close to 10 as you can — you will land just under 100.

**30. 98 (75 + 23).** — *Make Hundred (Closest-Sum Cards)*

Aim the columns: make the tens add to 9 (7 + 2), then put the leftover ones (5 and 3) as close to 10 as you can — you will land just under 100.

**31. 92** — *Round and Repay (2-digit)*

Round 38 up to 40, add 54 + 40, then repay the 2 you added.

**32. 76** — *Round and Repay (2-digit)*

Round 29 up to 30, add 47 + 30, then repay the 1 you added.

**33. 91** — *Round and Repay (2-digit)*

Round 28 up to 30, add 63 + 30, then repay the 2 you added.

**34. 93** — *Round and Repay (2-digit)*

Round 19 up to 20, add 74 + 20, then repay the 1 you added.

**35. 94** — *Round and Repay (2-digit)*

Round 39 up to 40, add 55 + 40, then repay the 1 you added.

**36. 94** — *Round and Repay (2-digit)*

Round 48 up to 50, add 46 + 50, then repay the 2 you added.

**37. 96** — *Round and Repay (2-digit)*

Round 29 up to 30, add 67 + 30, then repay the 1 you added.

**38. 100** — *Round and Repay (2-digit)*

Round 18 up to 20, add 82 + 20, then repay the 2 you added.

**39. 134** — *Round and Repay (2-digit)*

Round 48 up to 50, add 86 + 50, then repay the 2 you added.

**40. 187** — *Round and Repay (2-digit)*

Round 49 up to 50, add 138 + 50, then repay the 1 you added.

**41. 35** — *Subtract by Rounding the Subtrahend Up*

Round the 28 up to 30 and subtract 63 – 30; since you took away 2 too many, add back 2.

**42. 25** — *Subtract by Rounding the Subtrahend Up*

Round the 47 up to 50 and subtract  $72 - 50$ ; since you took away 3 too many, add back 3.

**43. 25** — *Subtract by Rounding the Subtrahend Up*

Round the 29 up to 30 and subtract  $54 - 30$ ; since you took away 1 too many, add back 1.

**44. 43** — *Subtract by Rounding the Subtrahend Up*

Round the 38 up to 40 and subtract  $81 - 40$ ; since you took away 2 too many, add back 2.

**45. 48** — *Subtract by Rounding the Subtrahend Up*

Round the 47 up to 50 and subtract  $95 - 50$ ; since you took away 3 too many, add back 3.

**46. 45** — *Subtract by Rounding the Subtrahend Up*

Round the 39 up to 40 and subtract  $84 - 40$ ; since you took away 1 too many, add back 1.

**47. 48** — *Subtract by Rounding the Subtrahend Up*

Round the 28 up to 30 and subtract  $76 - 30$ ; since you took away 2 too many, add back 2.

**48. 41** — *Subtract by Rounding the Subtrahend Up*

Round the 49 up to 50 and subtract  $90 - 50$ ; since you took away 1 too many, add back 1.

**49. 74** — *Subtract by Rounding the Subtrahend Up*

Round the 58 up to 60 and subtract  $132 - 60$ ; since you took away 2 too many, add back 2.

**50. 78** — *Subtract by Rounding the Subtrahend Up*

Round each subtracted number up ( $39 \rightarrow 40$ ,  $28 \rightarrow 30$ ) and take both away, then add back the 1 and the 2 you over-removed.

**51. 997 (835 + 162).** — *Make Thousand (Hundreds-First)*

Work left to right: aim the hundreds to add to 9 ( $8 + 1$ ), the tens to add to 9 ( $3 + 6$ ), and the ones as close to 10 as the leftovers (5 and 2) allow.

**52. 999 (875 + 124).** — *Make Thousand (Hundreds-First)*

Work left to right: aim the hundreds to add to 9 ( $8 + 1$ ), the tens to add to 9 ( $7 + 2$ ), and the ones as close to 10 as the leftovers (5 and 4) allow.

**53. 999 (876 + 123).** — *Make Thousand (Hundreds-First)*

Work left to right: aim the hundreds to add to 9 ( $8 + 1$ ), the tens to add to 9 ( $7 + 2$ ), and the ones as close to 10 as the leftovers (6 and 3) allow.

**54. 999 (658 + 341).** — *Make Thousand (Hundreds-First)*

Work left to right: aim the hundreds to add to 9 ( $6 + 3$ ), the tens to add to 9 ( $5 + 4$ ), and the ones as close to 10 as the leftovers (8 and 1) allow.

**55. 997 (for example, 238 + 759).** — *Make Thousand (Hundreds-First)*

Work left to right: pair the hundreds to add to 9 ( $2 + 7$ ). Then notice the leftover cards 3, 5, 8, 9 cannot make the tens add to 9 — take the closest tens pair and let the ones overflow past 10 to make up the gap.

**56. 999 (765 + 234).** — *Make Thousand (Hundreds-First)*

Work left to right: aim the hundreds to add to 9 ( $7 + 2$ ), the tens to add to 9 ( $6 + 3$ ), and the ones as close to 10 as the leftovers (5 and 4) allow.

**57. 1003 (235 + 768).** — *Make Thousand (Hundreds-First)*

Work left to right: aim the hundreds to add to 9 (try  $2 + 7$  or  $3 + 6$ ), then the tens to add to 9 from the leftovers, and put the last two cards in the ones — you will land just over 1000.

**58. 1003 (for example,  $235 + 768$ ).** — *Make Thousand (Hundreds-First)*

Work left to right: aim the hundreds to add to 9 (2 + 7 or 3 + 6), the tens to add to 9 with the leftovers, and let the ones add up — the carry chain will land you just past 1000.

**59. 1002 ( $879 + 123$ ).** — *Make Thousand (Hundreds-First)*

Work left to right: aim the hundreds to add to 9 (8 + 1), the tens to add to 9 (7 + 2), then the leftover ones (9 and 3) push you just over 1000.

**60. 996 ( $612 + 384$ ).** — *Make Thousand (Hundreds-First)*

Work left to right: aim the hundreds to add to 9 (6 + 3), the tens to add to 9 (8 + 1), then the leftover ones (2 and 4) leave you just under 1000.

**61. Yes — they total \$79, which is under \$90.** — *Safe-Side Rounding*

Round each price up to a friendly number (19→20, 22→25, 38→40), add the rounded prices, and see if that safe-side total still fits under \$90.

**62. Yes - rounded up they come to \$45, safely under \$60 (actual total \$41).** — *Safe-Side Rounding*

Round each price up to a friendly number (23→25, 18→20), add the rounded prices, and see if that safe-side total still fits under \$60.

**63. Yes - rounded up they come to \$85, safely under \$100 (actual total \$78).** — *Safe-Side Rounding*

Round each price up to a friendly number (28→30, 31→35, 19→20), add the rounded prices, and see if that safe-side total still fits under \$100.

**64. No — they total \$105, which is over \$100.** — *Safe-Side Rounding*

Round each price up to a friendly number (24→25, 48→50, 33→35), add the rounded prices, and check whether that safe-side total goes over \$100.

**65. Yes - rounded up they come to \$80, safely under \$100 (actual total \$72).** — *Safe-Side Rounding*

Round each price up to a friendly number (21→25, 34→35, 17→20), add the rounded prices, and see if that safe-side total still fits under \$100.

**66. No — they total \$107, which is over \$100.** — *Safe-Side Rounding*

Round each price up to a friendly number (38→40, 47→50, 22→25), add the rounded prices, and check whether that safe-side total goes over \$100.

**67. No — that is 51 members, which is over 50.** — *Safe-Side Rounding*

Round each club size up (18→20, 14→15, 19→20), add the rounded counts, and check whether that safe-side total stays within 50 seats.

**68. Yes - rounded up they come to 60 minutes, so you are safely covered (actual total 54).** — *Safe-Side Rounding*

Round each chore up (19→20, 22→25, 13→15), add the rounded times, and see if that safe-side total still fits within 75 minutes.

**69. No — they total \$125, which is over \$120.** — *Safe-Side Rounding*

Round each price up to a friendly number (48→50, 59→60, 18→20), add the rounded prices, and check whether that safe-side total goes over \$120.

**70. Yes - rounded up they come to 170 seats, safely under 200 (actual total 160).** — *Safe-Side Rounding*

Round each class up (42→45, 33→35, 47→50, 38→40), add the rounded counts, and check whether that safe-side total stays within 200 seats.