

Name: _____

Date: _____



Mental Math and Estimation

Worksheet 1 Mental Addition

Add. Use mental math.

1. $35 + 4 =$ _____

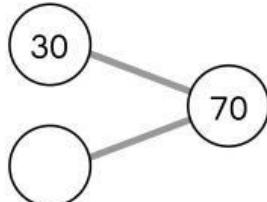
2. $43 + 6 =$ _____

3. $20 + 50 =$ _____

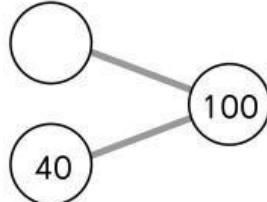
4. $30 + 60 =$ _____

Complete each number bond.

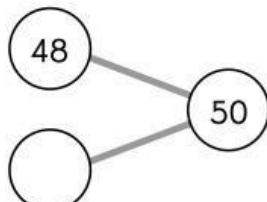
5.



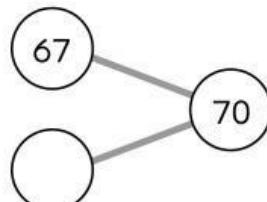
6.



7.



8.



Name: _____

Date: _____

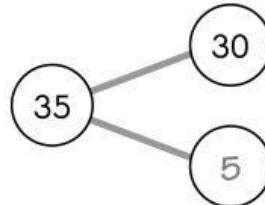
**Add mentally. First add the tens. Then add the ones.
Use number bonds to help you.**

Example _____

$$42 + 35$$

$$42 + 30 = \underline{\quad 72 \quad}$$

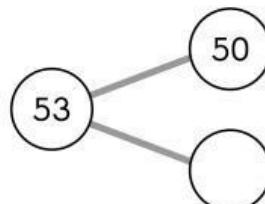
$$42 + 35 = \underline{\quad 72 \quad} + 5$$
$$= \underline{\quad 77 \quad}$$



9. $36 + 53$

$$36 + 50 = \underline{\hspace{2cm}}$$

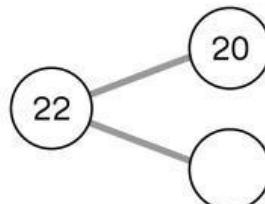
$$36 + 53 = \underline{\hspace{2cm}} + 3$$
$$= \underline{\hspace{2cm}}$$



10. $57 + 22$

$$57 + 20 = \underline{\hspace{2cm}}$$

$$57 + 22 = \underline{\hspace{2cm}} + 2$$
$$= \underline{\hspace{2cm}}$$



Name: _____

Date: _____

Fill in each missing number.

Example _____

$$37 = 40 - \underline{\quad 3 \quad}$$

11. $58 = 60 - \underline{\quad}$

12. $69 = \underline{\quad} - 1$

13. $87 = \underline{\quad} - 3$

**Add mentally. First add the tens. Then subtract the extra ones.
Use number bonds to help you.**

Example _____

$$45 + 28 = 75 - \underline{\quad 2 \quad}$$

$$= \underline{\quad 73 \quad}$$

14. $53 + 39 = 93 - \underline{\quad}$
= _____

15. $34 + 47 = 84 - \underline{\quad}$
= _____

16. $62 + 18 = 82 - \underline{\quad}$
= _____

Name: _____

Date: _____

Fill in the missing numbers.

Example

$$36 + 39 = \underline{\quad 76 \quad} - 1$$

17. $47 + 27 = \underline{\quad} - 3$

18. $58 + 38 = \underline{\quad} - 2$

19. $54 + 26 = \underline{\quad} - 4$

Add. Use mental math.

20. $45 + 48 = \underline{\quad}$

21. $56 + 27 = \underline{\quad}$

22. $33 + 49 = \underline{\quad}$

23. $24 + 46 = \underline{\quad}$

24. $78 + 18 = \underline{\quad}$

25. $47 + 39 = \underline{\quad}$

Name: _____

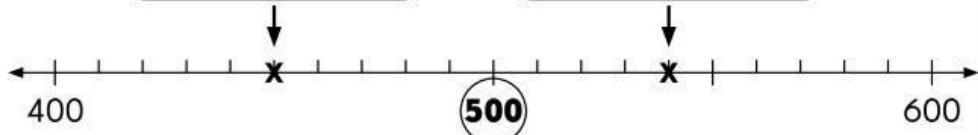
Date: _____

Mark the least number that rounds to the circled number with an X.
Mark the greatest number that rounds to the circled number with an X.

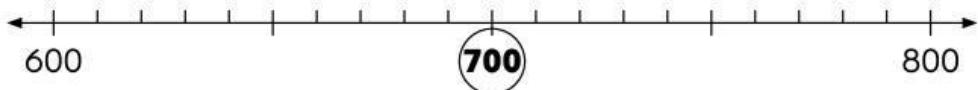
Example

the least number
that rounds to 500

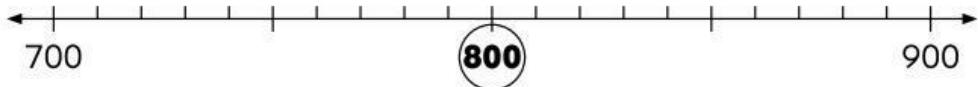
the greatest number
that rounds to 500



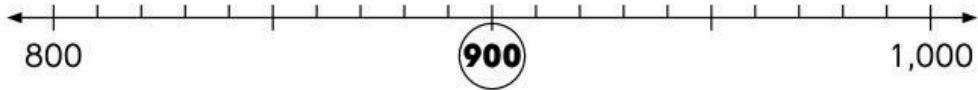
11.



12.



13.



Name: _____

Date: _____

Find the sum. Then round to the nearest ten to check that your answer is reasonable.

Example _____

$$78 + 27 = \underline{105}$$

78 is about 80.

27 is about 30.

$$80 + 30 = \underline{110}$$

105 is close to 110, so the answer is reasonable.

14. $64 + 73 = \underline{\hspace{2cm}}$

64 is about _____.

73 is about _____.

$$\underline{\hspace{1.5cm}} + \underline{\hspace{1.5cm}} = \underline{\hspace{2cm}}$$

15. $75 + 93 = \underline{\hspace{2cm}}$

75 is about _____.

93 is about _____.

$$\underline{\hspace{1.5cm}} + \underline{\hspace{1.5cm}} = \underline{\hspace{2cm}}$$

Name: _____

Date: _____

Find the sum. Then round to the nearest hundred to check that your answer is reasonable.

Example

$$267 + 451 = \underline{\quad 718 \quad}$$

$$267 + 451 \text{ is about } 300 + 500 = \underline{\quad 800 \quad}$$

718 is close to 800, so the answer is reasonable.

16. $553 + 292 = \underline{\quad}$

$$553 + 292 \text{ is about } \underline{\quad} + \underline{\quad} = \underline{\quad}$$

17. $346 + 128 = \underline{\quad}$

$$346 + 128 \text{ is about } \underline{\quad} + \underline{\quad} = \underline{\quad}$$

18. $336 + 119 = \underline{\quad}$

$$336 + 119 \text{ is about } \underline{\quad} + \underline{\quad} = \underline{\quad}$$

19. $584 + 329 = \underline{\quad}$

$$584 + 329 \text{ is about } \underline{\quad} + \underline{\quad} = \underline{\quad}$$

20. $118 + 293 = \underline{\quad}$

$$118 + 293 \text{ is about } \underline{\quad} + \underline{\quad} = \underline{\quad}$$

Name: _____

Date: _____

Find the difference. Then round to check that your answer is reasonable.

Example _____

$$82 - 37 = \underline{\quad 45 \quad}$$

$$82 - 37 \text{ is about } 80 - 40 = \underline{\quad 40 \quad}.$$

45 is close to 40, so the answer is reasonable.

21. $75 - 43 = \underline{\quad}$

$$75 - 43 \text{ is about } \underline{\quad} - \underline{\quad} = \underline{\quad}.$$

22. $438 - 249 = \underline{\quad}$

$$438 - 249 \text{ is about } \underline{\quad} - \underline{\quad} = \underline{\quad}.$$

23. $674 - 492 = \underline{\quad}$

$$674 - 492 \text{ is about } \underline{\quad} - \underline{\quad} = \underline{\quad}.$$

24. $918 - 374 = \underline{\quad}$

$$918 - 374 \text{ is about } \underline{\quad} - \underline{\quad} = \underline{\quad}.$$

Worksheet 5 Using Front-End Estimation

**Find the sum or the difference.
Then use front-end estimation to check that your answer
is reasonable.**

Example _____

$$217 + 486 = \underline{\quad 703 \quad}$$

$$217 + 486 \text{ is about } \underline{200} + \underline{400} = \underline{600}.$$

The answer 703 is reasonable.

1. $614 + 283 = \underline{\quad}$

$$614 + 283 \text{ is about } \underline{\quad} + \underline{\quad} = \underline{\quad}.$$

2. $713 - 398 = \underline{\quad}$

$$713 - 398 \text{ is about } \underline{\quad} - \underline{\quad} = \underline{\quad}.$$

3. $937 - 489 = \underline{\quad}$

$$937 - 489 \text{ is about } \underline{\quad} - \underline{\quad} = \underline{\quad}.$$

4. $184 + 462 = \underline{\quad}$

$$184 + 462 \text{ is about } \underline{\quad} + \underline{\quad} = \underline{\quad}.$$

Name: _____

Date: _____

5. $327 + 968 =$ _____

$327 + 968$ is about _____ + _____ = _____.

6. $694 - 294 =$ _____

$694 - 294$ is about _____ - _____ = _____.

7. $908 - 702 =$ _____

$908 - 702$ is about _____ - _____ = _____.

8. $693 + 194 =$ _____

$693 + 194$ is about _____ + _____ = _____.
