

Round and Estimate (Worksheet 1)

Name: _____ Date: _____

1. Round 34 to the nearest 10: _____
2. Round 67 to the nearest 10: _____
3. Round 112 to the nearest 10: _____
4. Round 189 to the nearest 10: _____
5. Round 241 to the nearest 100: _____
6. Round 368 to the nearest 100: _____
7. Estimate: $34 + 52 \approx$ _____
8. Estimate: $67 + 21 \approx$ _____
9. Estimate: $112 + 35 \approx$ _____
10. Estimate: $189 + 24 \approx$ _____
11. Estimate: $241 + 368 \approx$ _____
12. Estimate: $156 + 219 \approx$ _____
13. Circle the better estimate for $48 + 31$: 70 / 80 / 100
14. Circle the better estimate for $206 + 189$: 300 / 400 / 500
15. Circle the better estimate for $391 + 208$: 500 / 600 / 700
16. Fill in the blank: To estimate $58 + 42$, I can round to _____ + _____.
17. Fill in the blank: To estimate $219 + 385$, I can round to _____ + _____.
18. True or False: Estimating helps me check whether an answer makes sense. _____

Worksheet 2: Is the Answer Reasonable?

Name: _____ Date: _____

Work out an estimate first. Then decide if the given answer is reasonable. Circle Yes or No.

1. $23 + 46 = 69$ Yes / No
2. $23 + 46 = 89$ Yes / No
3. $58 + 31 = 90$ Yes / No
4. $58 + 31 = 79$ Yes / No
5. $104 + 27 = 121$ Yes / No
6. $104 + 27 = 131$ Yes / No
7. $216 + 173 = 389$ Yes / No
8. $216 + 173 = 489$ Yes / No
9. $342 + 151 = 493$ Yes / No
10. $342 + 151 = 593$ Yes / No
11. $199 + 205 = 404$ Yes / No
12. $199 + 205 = 304$ Yes / No
13. True or False: If $78 + 21$ is estimated as $80 + 20$, the estimate is 100. _____
14. True or False: If $149 + 152$ is estimated as $100 + 100$, the estimate is 200. _____
15. Fill in the blank: $63 + 29$ is about _____ because 63 rounds to _____ and 29 rounds to _____.
16. Fill in the blank: $288 + 109$ is about _____ because 288 rounds to _____ and 109 rounds to _____.
17. Circle the answer that is not reasonable for $301 + 198$: 499 / 399 / 500
18. Circle the answer that is reasonable for $77 + 18$: 45 / 95 / 150

Worksheet 3: Find the Mistake

Name: _____ Date: _____

Each question has one wrong answer. Use estimation to cross out the wrong answer and write the correct exact answer.

1. $45 + 32 = 67$ Correct answer: _____

2. $61 + 18 = 89$ Correct answer: _____

3. $74 + 25 = 99$ Correct answer: _____

4. $39 + 44 = 73$ Correct answer: _____

5. $128 + 51 = 169$ Correct answer: _____

6. $143 + 26 = 179$ Correct answer: _____

7. $205 + 88 = 283$ Correct answer: _____

8. $317 + 64 = 371$ Correct answer: _____

9. $256 + 137 = 383$ Correct answer: _____

10. $421 + 109 = 520$ Correct answer: _____

11. Match the pairs by writing the letter.

A. $198 + 201$ a. about 400

B. $76 + 22$ b. about 100

C. $341 + 148$ c. about 500

D. $49 + 28$ d. about 80

12. A: _____

13. B: _____

14. C: _____

15. D: _____

16. Draw a number line to show why $59 + 19$ is close to 80.

17. Draw and label a quick rounding diagram for $214 + 182$.

18. True or False: Estimation can help find a digit mistake in an answer. _____

Worksheet 4: Number Sentences and Models

Name: _____ Date: _____

1. Write an estimate for $27 + 54$: _____
2. Write an estimate for $83 + 16$: _____
3. Write an estimate for $145 + 61$: _____
4. Write an estimate for $222 + 179$: _____
5. Complete the number sentence: $41 + 38 \approx$ _____ $+$ _____ \approx _____
6. Complete the number sentence: $67 + 24 \approx$ _____ $+$ _____ \approx _____
7. Complete the number sentence: $153 + 48 \approx$ _____ $+$ _____ \approx _____
8. Complete the number sentence: $286 + 115 \approx$ _____ $+$ _____ \approx _____
9. Draw base-ten blocks or a quick sketch to show why $29 + 32$ is about 60.
10. Draw base-ten blocks or a quick sketch to show why $197 + 205$ is about 400.
11. Circle the nearest 10 estimate for $46 + 33$: 70 / 80 / 90
12. Circle the nearest 10 estimate for $58 + 39$: 80 / 90 / 100
13. Circle the nearest 100 estimate for $241 + 166$: 300 / 400 / 500
14. Circle the nearest 100 estimate for $389 + 188$: 400 / 500 / 600
15. Fill in the blank: When I estimate, I use numbers that are easier to _____.
16. Fill in the blank: Rounding helps me check if an answer is _____.
17. True or False: $219 + 385$ can be checked with the estimate $200 + 400$. _____
18. True or False: $91 + 8$ should estimate to about 200. _____

Worksheet 5: Real-Life Reasonableness

Name: _____ Date: _____

1. Sam has 37 stickers. Mia has 24 stickers. About how many stickers do they have altogether? _____
2. A class reads 58 pages on Monday and 21 pages on Tuesday. About how many pages is that? _____
3. A shop sold 214 apples in the morning and 173 apples in the afternoon. About how many apples is that? _____
4. There are 126 people at the pool and 84 more arrive. About how many people are there then? _____
5. Circle the reasonable answer: $47 + 34 = 61 / 81 / 121$
6. Circle the reasonable answer: $188 + 209 = 297 / 397 / 497$
7. Circle the reasonable answer: $305 + 87 = 392 / 192 / 592$
8. True or False: $72 + 19$ is about 90. _____
9. True or False: $141 + 162$ is about 500. _____
10. Fill in the blank: $53 + 38$ is about _____.
11. Fill in the blank: $276 + 118$ is about _____.
13. Explain in one sentence: Why is estimation useful when checking an answer?

14. Write your own addition problem that has an estimate of about 600:

Worksheet 6: Mixed Review

Name: _____ Date: _____

1. Estimate: $26 + 43 \approx$ _____
2. Estimate: $71 + 18 \approx$ _____
3. Estimate: $139 + 64 \approx$ _____
4. Estimate: $248 + 149 \approx$ _____
5. Estimate: $392 + 211 \approx$ _____
6. Is $33 + 48 = 71$ reasonable? Yes / No
7. Is $59 + 29 = 88$ reasonable? Yes / No
8. Is $118 + 96 = 214$ reasonable? Yes / No
9. Is $205 + 207 = 302$ reasonable? Yes / No
10. Circle the best estimate for $44 + 47$: 80 / 90 / 100
11. Circle the best estimate for $151 + 239$: 300 / 400 / 500
12. Fill in the blank: $68 + 12 \approx$ _____ + _____ \approx _____
13. Fill in the blank: $284 + 207 \approx$ _____ + _____ \approx _____
14. True or False: $97 + 4$ is about 100. _____
15. True or False: $322 + 279$ is about 700. _____
16. Draw a quick sketch or number line for $38 + 41$.
17. Write a number sentence to estimate $109 + 291$:

18. Which answer is more reasonable for $63 + 36$: 99 or 109? _____

Answer Key

To ensure the data stays aligned when you copy and paste it, use this "preformatted" text block. Everything is spaced manually so that it retains its structure in most text editors.

text

WORKSHEET 1

1. 30 2. 70 3. 110 4. 190 5. 200 6. 400 7. 90 8. 90 9. 150 10. 210
11. 600 12. 400 13. 80 14. 400 15. 600 16. 60,40 17. 200,400 18. True

WORKSHEET 2

1. Yes 2. No 3. Yes 4. No 5. No 6. Yes 7. Yes 8. No 9. Yes 10. No
11. Yes 12. No 13. True 14. False 15. 90,60,30 16. 400,300,100 17. 399 18. 95

WORKSHEET 3

1. 77 2. 79 3. 99 4. 83 5. 179 6. 169 7. 293 8. 381 9. 393 10. 530
11. A-a 12. B-b 13. C-c 14. D-d 15. Teacher 16. Teacher 17. True

WORKSHEET 4

1. 80 2. 100 3. 210 4. 400 5. $40+40=80$ 6. $70+20=90$ 7. $150+50=200$
8. $300+100=400$ 9. Teacher 10. Teacher 11. 80 12. 100 13. 400 14. 600 15. add 16.
reasonable
17. True 18. False

WORKSHEET 5

1. 60 2. 80 3. 400 4. 200 5. 81 6. 397 7. 392 8. True 9. False 10. 90
11. 400 12. A-b 13. B-a 14. C-c 15. D-d 16. Expected 17. $312+287$

WORKSHEET 6

1. 70 2. 90 3. 200 4. 400 5. 600 6. No 7. Yes 8. Yes 9. No 10. 90
11. 400 12. $70+10=80$ 13. $300+200=500$ 14. True 15. False 16. Teacher 17. $100+300=400$
18. 99