Name _____ Date _____

1. Find the sums below.

a. 46 mL + 5 mL

46
+ 5
51mL

b. 46 mL + 25 mL

46
+25
71mL

c. 46 mL + 125 mL

46
+125
171mL

d. 59 cm + 30 cm

59
+30
89cm

e. 509 cm + 83 cm

509
+ 83
592cm

f. 597 cm + 30 cm

597
+ 30
627cm

g. 39 g + 63 g

39
+63
102g

h. 345 g + 294 g

345
+294
639g

i. 480 g + 476 g

480
+476
956g

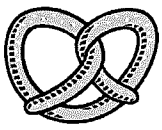
j. 1 L 245 mL + 2 L 412 mL =

1L 245mL
+2L 412mL
3L 657mL

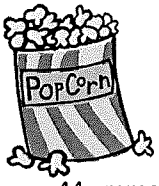
k. 2 kg 509 g + 3 kg 367 g =

2kg 509g
+3kg 367g
5kg 876g

2. Nadine and Jen buy a small bag of popcorn and a pretzel at the movie theater. The pretzel weighs 63 grams more than the popcorn. What is the weight of the pretzel?



? grams



44 grams

pretzel [? 107g]

popcorn [44g] ~63g

44g
+ 63
107g

The pretzel weighs 107 grams.

3. In math class, Jason and Andrea find the total liquid volume of water in their beakers. Jason says the total is 782 mL, but Andrea says it is 792 mL. The amount of water in each beaker can be found in the table to the right. Show whose calculation is correct. Explain the mistake of the other student.

Student	Liquid Volume
Jason	475 mL
Andrea	317 mL

475 mL
+ 317 mL
792

Andrea is right. Jason forgot to add the 10 mL that got regrouped.

4. It takes Greg 15 minutes to mow the front lawn. It takes him 17 more minutes to mow the back lawn than the front lawn. What is the total amount of time Greg spends mowing the lawns?

F [15 min] ~17 min

B [32 min]

} ?

15
+ 17
32

15
+ 32
47 min

He spends 47 minutes mowing the lawns.

Name _____ Date _____

1. Find the sums.

a. 24 cm + 36 cm

20 cm + 40cm

60cm

b. 562 m + 180 m

562 m + 100 m = 600m

62m + 80m = 142m

742m

c. 345 km + 239 km

350km + 234km =

584 km

2. Brianna jogs 15 minutes more on Sunday than Saturday. She jogged 26 minutes on Saturday.

a. How many minutes does she jog on Sunday?

26min + 15min = 41 mins.

b. How many minutes does she jog in total?

26min + 41min = 67 mins

60 + 7 = 67 mins

Name _____ Date _____

1. Find the sums below. Choose mental math or the algorithm.

a. 75 cm + 7 cm

75 cm
+ 7 cm
82 cm

b. 39 kg + 56 kg

+1 −1
40 kg + 55 kg
95 kg

c. 362 mL + 229 mL

−1 +1
361 mL + 230 mL
591 mL

d. 283 g + 92 g

+2 −2
285 g + 90 g = 375 g

e. 451 mL + 339 mL

−1 +1
450 mL + 340 mL
790 mL

f. 149 L + 331 L

+1 −1
150 L + 330 L
480 L

2. The liquid volume of five drinks is shown below.

Drink	Liquid Volume
Apple juice	125 mL
Milk	236 mL
Water	248 mL
Orange juice	174 mL
Fruit punch	208 mL

a. Jen drinks the apple juice and the water. How many milliliters does she drink in all?

125 mL
+ 236 mL
361

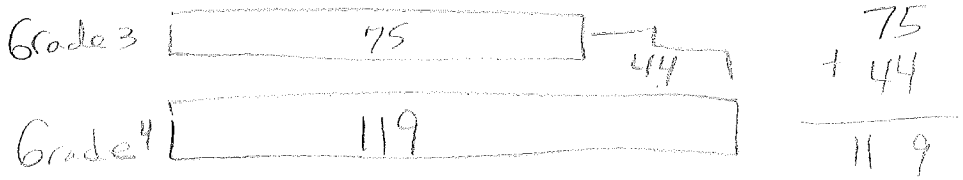
Jen drinks 361 mL.

b. Kevin drinks the milk and the fruit punch. How many milliliters does he drink in all?

+4 −4
236 mL + 208 mL
240 mL + 204 mL

Kevin drinks 444 mL.

3. There are 75 students in Grade 3. There are 44 more students in Grade 4 than in Grade 3. How many students are in Grade 4? Use a tape diagram to model your thinking.



75
+ 44
119

4. Mr. Green's sunflower grew 29 centimeters in one week. The next week it grew 5 centimeters more. What is the total number of centimeters the sunflower grew in 2 weeks?

29 cm
+ 5 cm
34 cm

+1 -1
29 cm + 5 cm =
30 cm + 4 cm = 34 cm

5. Kylie records the weights of 3 objects as shown below. Which 2 objects can she put on a pan balance to equal the weight of a 460 gram bag? Show how you know.

Paperback Book	Banana	Bar of Soap
343 grams	108 grams	117 grams

343g + 108g
451g

343
+ 117
460g

+3 -3
117g + 108g =
120 + 105g = 225g

Name _____ Date _____

1. Find the sums below.

a. 52 mL + 68 mL

52 mL + 68 mL
50 mL + 70 mL
120 mL

b. 352 mL + 68 mL

352 mL + 68 mL
350 mL + 70 mL
420 mL

c. 352 mL + 468 mL

352 mL + 468 mL
350 mL + 470 mL
820 mL

d. 56 cm + 94 cm

56 cm + 94 cm
50 cm + 100 cm
150 cm

e. 506 cm + 94 cm

506 cm + 94 cm
500 cm + 100 cm
600 cm

f. 506 cm + 394 cm

506 cm + 394 cm
500 cm + 400 cm
900 cm

g. 697 g + 138 g

697 g + 138 g
700 g + 135 g
835 g

h. 345 g + 597 g

345 g + 597 g
342 g + 600 g
942 g

i. 486 g + 497 g

486 g + 497 g
483 g + 500 g
983 g

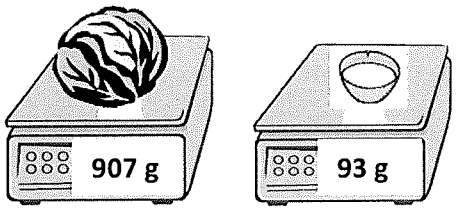
j. 3 L 251 mL + 1 L 549 mL

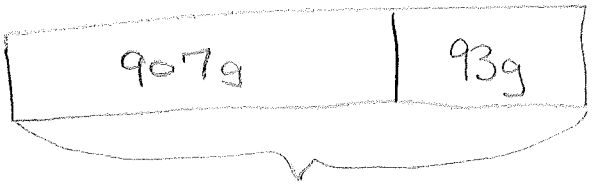
4 L
251 mL + 549 mL
250 mL + 550 mL
4 L 800 mL

k. 4 kg 384 g + 2kg 467 g

6 kg
384 g
+ 467 g
851 g

2. Lane makes sauerkraut. He weighs the amounts of cabbage and salt he uses. Draw and label a tape diagram to find the total weight of the cabbage and salt Lane uses.





+3 +7
907g + 93g =
1000g + 90g = 1090g

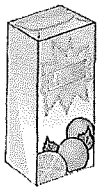
The total weight is 1,000 g.

3. Sue bakes mini muffins for the school bake sale. After wrapping 86 muffins, she still has 58 muffins left cooling on the table. How many muffins did she bake altogether?

86 muffins
+ 58 muffins
144

She baked 144 muffins.

4. The milk carton to the right holds 183 milliliters more liquid than the juice box. What is the total capacity of the juice box and milk carton?


Juice Box
279 mL

Milk Carton
? mL

+1 -1
279mL + 183 mL =
280mL + 182mL = 462 mL of milk

+1 -1
279mL + 462mL =
280mL + 461mL =
741mL

The total capacity is 741 mL.

Name _____ Date _____

1. Find the sums.

a. 78 g + 29 g

78 g + 29 g
77 g + 30 g
107 g

b. 328 kg + 289 kg

328 kg + 289 kg =
327 + 230 kg =
557 kg

c. 509 L + 293 L

509 L + 293 L
510 L + 292 L
802 L

2. The third grade sells lemonade to raise funds. After selling 38 liters of lemonade in 1 week, they still have 26 liters of lemonade left. How many liters of lemonade did they have at the beginning?

$$\begin{array}{r} {}^{1}38\text{ L} \\ +\ 26\text{ L} \\ \hline 64\text{ L} \end{array}$$

They had 64 L of lemonade at the beginning.

Name _____ Date _____

1. Find the sums below.

a. 47 m + 8 m

+3 −3

47 m + 8m

50m + 5m

55m

b. 47 m + 38 m

+3 −3

50m + 35m

85m

c. 147 m + 383 m

+3 −3

150m + 380m

530m

d. 63 mL + 9 mL

−1 +1

62mL + 10mL

72mL

e. 463 mL + 79 mL

−1 +1

462mL + 80mL

542mL

f. 463 mL + 179mL

463mL
+ 179mL
642 mL

g. 368 kg + 263 kg

368 kg
+ 263 kg
631 kg

h. 508 kg + 293 kg

−7 +7

501 kg + 300 kg

801 kg

i. 103 kg + 799 kg

−1 +1

102kg + 800 kg

902 kg

j. 4 L 342 mL + 2 L 214 mL

6L + 556mL

k. 3 kg 296 g + 5kg 326g

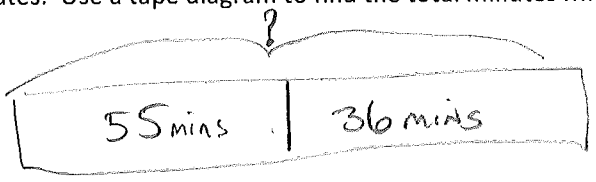
+4 −4

8kg

300g + 322kg

622kg

2. Mrs. Haley roasts a turkey for 55 minutes. She checks it, and decides to roast it for an additional 36 minutes. Use a tape diagram to find the total minutes Mrs. Haley roasts the turkey.



+5 −5
55 mins + 36 mins =
60 mins + 31 mins =
91 mins.

She roasts the turkey for 91 mins.

3. A miniature horse weighs 228 fewer kilograms than a Shetland pony. Use the table to find the weight of a Shetland pony.

228 kg
53 kg
381 kg

Types of Horses	Weight in kg
Shetland pony	381 kg
American Saddlebred	543 kg
Clydesdale horse	____ kg
Miniature horse	53 kg

4. A Clydesdale horse weighs as much as a Shetland pony and an American Saddlebred horse combined. How much does a Clydesdale horse weigh?

381 kg Shetland
+ 543 kg American Saddlebred
924 kg

A Clydesdale horse weighs 924 kgs.

Name _____ Date _____

1.

a. Find the actual sum either on paper or using mental math. Round each addend to the nearest hundred and find the estimated sums.

A

451 + 253 = 704
500 + 300 = 800

451 + 249 = 700
500 + 200 = 700

448 + 249 = 697
400 + 200 = 600

Circle the estimated sum that is the closest to its real sum.

B

356 + 161 = 517
400 + 200 = 600

356 + 148 = 504
400 + 100 = 500

347 + 149 = 496
300 + 100 = 400

Circle the estimated sum that is the closest to its real sum.

C

652 + 158 = 810
700 + 200 = 900

647 + 158 = 805
600 + 200 = 800

647 + 146 = 793
600 + 100 = 700

Circle the estimated sum that is the closest to its real sum.

b. Look at the sums that gave the most precise estimates. Explain below what they have in common. You might use a number line to support your explanation.

If one number rounds up and the other number rounds down and both numbers are rounded about the same amount.

2. Janet watched a movie that is 94 minutes long on Friday night. She watched a movie that is 151 minutes long on Saturday night.

   a. Decide how to round the minutes. Then, estimate the total minutes Janet watched movies on Friday and Saturday.

Round to the nearest ten

100 minutes + 150 minutes = 250 minutes

   b. How much time does Janet actually spend watching movies?

94 minutes (+1) + 151 minutes (−1)

95 mins + 150 minutes = 245 minutes

   c. Explain whether or not your estimated sum is close to the actual sum. Round in a different way and see which estimate is closer.

My estimated amount is close to the actual sum.

Round to the nearest 100

100 mins + 200 mins = 300 mins.

3. Sadie, a bear at the zoo, weighs 182 kilograms. Her cub weighs 74 kilograms.

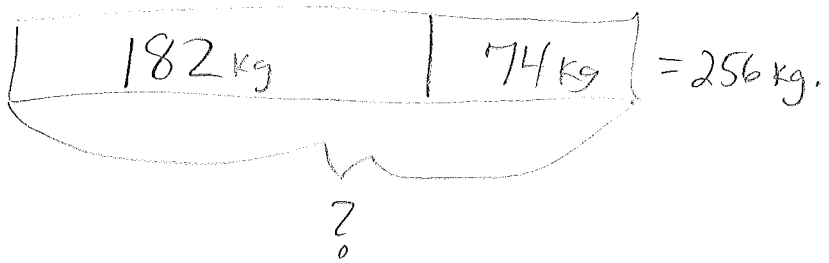
   a. Estimate the total weight of Sadie and her cub using whatever method you think best.

180 Kgs + 70 kgs = 250 Kgs

   b. What is the actual weight of Sadie and her cub? Model the problem with a tape diagram.

The total weight of Sadie and her cub is 256 kgs.

182 Kgs
74 kgs
256 kg.



Name _____ Date _____

Jesse practices the trumpet for a total of 165 minutes during the first week of school. He practices for 245 minutes during the second week.

a. Estimate the total time Jesse practices by rounding to the nearest 10 minutes.

170 mins - first week
+ 250 mins - second week
420 mins.

He practices for a total of 420 minutes.

b. Estimate the total amount of time Jesse practices by rounding to the nearest 100 minutes.

200 mins. - first wk.
200 mins. - Second wk
400 mins.

c. Explain why the estimates are so close to each other.

When you estimated the numbers, one was rounded up and one was rounded down and they were both rounded about the same amount.

Name _____ Date _____

1. Cathy collects the following information about her dogs, Stella and Oliver.

Stella	
Time Spent Getting a Bath	*Weight*
36 minutes	32 kg

Oliver	
Time Spent Getting a Bath	*Weight*
25 minutes	7 kg

Use the information in the charts to answer the questions below.

a. Estimate the total weight of Stella and Oliver.

30 Kg – Stella
10 Kg – Oliver
40 Kg

The total estimated weight of both dogs is 40 kg.

b. What is the total weight of Stella and Oliver?

32 Kg
+ 7 Kg
49 Kg

The total weight is 49 kgs.

c. Estimate the total amount of time Cathy spends giving her dogs a bath.

40 minutes
30 minutes
70 minutes

The estimated time spent giving the dogs baths is 70 minutes.

d. What is the actual total time Cathy spends giving her dogs a bath?

36 minutes
25 minutes
61 minutes

The actual time spent giving the dogs baths was 61 minutes.

e. Explain how estimating helps you check the reasonableness of your answers.

It helps me quicky see, using easy to add numbers, about how much the answer should be.

2. Dena reads for 361 minutes during Week 1 of her school's two-week long Read-A-Thon. She reads for 212 minutes during Week 2 of the Read-A-Thon.

a. Estimate the total amount of time Dena reads during the Read-A-Thon by rounding.

400 minutes
+ 200 minutes
600 minutes

The estmated time reading for the Read-A Thon was 600 minutes.

b. Estimate the total amount of time Dena reads during the Read-A-Thon by rounding in a different way.

360 minutes
210 minutes
570 minutes

c. Calculate the actual number of minutes that Dena reads during the Read-A-Thon. Which method of rounding was more precise? Why?

361 minutes
212 minutes
573 minutes

The actual number of minutes that Dena read was 573 minutes.

When I rounded to the tens the rounded number was closer to the actual number because when you round to the tens your rounded number is closer to the actual number, but when you round to the hundreds your number rounded is usually further away than your actual number.