Name _____ Date _____

Estimation Strategies

Estimate the sum of the price cards. Show or tell how you know. Circle one: Is the sum less than or more than one dollar?

Example:

Josh picked 72¢ and 36¢.

72¢ ⟶ 70¢   I used friendly numbers.
36¢ ⟶ 40¢
         110¢
less than $1.00   (more than $1.00)

1. Luis picked 46¢ and 89¢.

   less than $1.00   more than $1.00

2. Sara picked 59¢ and 32¢.

   less than $1.00   more than $1.00

3. Carla picked 23¢ and 72¢.

   less than $1.00   more than $1.00

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Name _____ Date _____

✓ **Check-In: Questions 4-7**

Look at the jars your teacher prepared.

4. **A.** Estimate the number of items in Jar A. _____

   B. Show or tell how you estimated.

   ?
   Jar A

5. **A.** Estimate the number of items in Jar B. _____

   B. Show or tell how you estimated.

   ?
   Jar B

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Student Activity Book

Estimation Strategies (SAB pp. 321–323)
Questions 1–7

1. Possible response: 140¢; I thought that 46 is about 5 tens and 89 is about 9 tens, which is 14 tens. More than $1.00.

2. Possible response: 90¢; I used friendly numbers 60¢ and 30¢. I started at 60 and counted on tens: 70, 80, 90¢. Less than $1.00

3. Possible response: $1.00; I thought about 1 quarter plus a little less than 3 quarters, but 23¢ and 72¢ is not quite $1.00. Less than $1.00.

4. **A.** Estimates will vary.

   B. Responses will vary. Possible response: I looked at the benchmark bag and estimated how many groups of 10 were in Jar A.

5. **A.** Estimates will vary.

   B. Responses will vary. Possible response: I thought about how many items were in Jar A and estimated that there were [more than/less than] that many in Jar B.

6. Responses will vary. Possible response: I used friendly numbers.

7. Responses will vary.

Teacher Guide

Estimate Sums (TG pp. 1–2)
Homework
Questions 1–4

Numbers chosen and estimates will vary.

Name _____ Date _____

6. Estimate how many total items there would be if you put the items in Jar A together with the items in Jar B. Show or tell how you estimated the sum.

7. When we put the items in Jar A together with the items in Jar B, there are _____ items. Was your estimate in Question 6 reasonable? Why do you think so?

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Name _____ Date _____

Estimate Sums

Homework

Dear Family Member:

Students are using strategies to estimate sums. To estimate 27 + 52 you could use friendly numbers. Friendly numbers are often tens. For example, the closest ten to 27 is 30 and the closest ten to 52 is 50, so an estimate of 80 is reasonable. You could also add tens. 27 has 2 tens and 52 has 5 tens, so an estimated sum of 7 tens or 70 could also be made. Another strategy is to use coins. 27 is close to a quarter and 52 is close to two more quarters, so an estimate of 75 is reasonable. Have your child talk to you about the estimation strategy he or she used in some of the problems below.

Thank you.

Pick two price tags and cross them out. Estimate their sum. Use the 200 Chart to help you find friendly numbers. Show or tell how you estimated.

13¢	54¢	48¢	27¢
77¢	22¢	61¢	36¢
47¢	39¢	41¢	25¢

1. I picked _____ and _____.

The sum is about _____.

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Name _____ Date _____

2. I picked _____ and _____.

The sum is about _____.

3. I picked _____ and _____.

The sum is about _____.

4. I picked _____ and _____.

The sum is about _____.

200 Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

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