Answer Key • Lesson 3: Thousands, Hundreds, Tens, and Ones

Student Guide

Thousands, Hundreds, Tens, and Ones (SG pp. 78–81) Questions 1–15

- **1.** 10 flats
- **2.** 100 skinnies. Possible response: 1 flat is the same as 10 skinnies. So 10 flats with 10 skinnies each is 100 skinnies.
- **3.** 1000 bits. Possible responses: 1 flat is the same as 100 bits. So 10 flats with 100 bits each is 1000 bits. Or, skip count by 100 ten times to find the number of bits in 1000. 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000 bits.
- **4.** 1200 + 40 + 3 = 1243

1000 + 100 + 140 + 3 = 12431000 + 200 + 30 + 13 = 12431243 = 1243

5. The first partition,

1 pack, 2 flats, 4 skinnies, 3 bits

6. Possible responses are shown using the Fewest Pieces Rule.









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9. 663



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*Answers and/or discussion are included in the lesson.

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Student Guide

Thousands, Hundreds, Tens and Ones (SG pp. 82–83) Homework Questions 1–3

- I. A. 5000 Chocos
 - **B.** 100 Chocos
 - **C.** 40 Chocos
 - **D.** 4 Chocos
 - **E.** 5144 Chocos
- **2.** Student answers may vary. One possible response is given.



- ₿. 000|||||
- ▫. _______
- **3. A.** 1252. Already in fewest pieces 1000 + 200 + 50 + 2 = 1252
 - **B.** 3016. Fewest pieces:



C. 3541. Fewest pieces:



3000 + 500 + 40 + 1 = 3541

				0 0 0 0			
A. How man	ny Chocos are in	the packs Pete	r ordered?				
B. How mai	B. How many Chocos are in the flat Peter ordered?						
C. How mai	C. How many Chocos are in the skinnies Peter ordered?						
D. How ma	D. How many Chocos are in the bits Peter ordered?						
E. How man	ny Chocos did Pe	eter order in all	?		© Kenda		
 Use base-te for each of t A. 1752 	in shorthand to show two different ways to package orders the following numbers of Chocos.						
B. 370							
C. 5034							
D. 1755	D . 1755						





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	Base-ten piece	pack	flat	skinny	ø bit	
	Base-ten shorthand	D	D	1		
3.	Professor Peabody us made at the TIMS Car Professor Peabody ma answer.	ed base-ter ndy Compar ade. Write a	n shorthand ny. Figure c number se	d to show out how m entence to	the Chany Ch show	ocos he ocos your
	A.					
	Б					
4.	Professor Peabody us Chocos. Draw the san Rule. Then write down	ed base-ter ne number o nhow many	n shorthand of Chocos Chocos w	d to take a using the ere made.	an ordei Fewest	r for Pieces
	A. ::::''					
	리고 B.					
	c					

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*Answers and/or discussion are included in the lesson.

Large Orders (SAB pp. 105–106)

Questions 1–4



2. A.* Possible responses:

Student Activity Book





C.	1000s	100s		9 1s	Number Sentence
	6	2	5		6000 + 200 + 50 + 0 = 6250
	5	12	5		5000 + 1200 + 50 + 0 = 6250

3. A. 40 + 6 = 46 Chocos **B.** 1000 + 200 + 10 + 7 = 1217 Chocos



23 Chocos



C.* []''

102 Chocos

Teacher Guide

How Many Chocos? (TG p. 1)

1647 Chocos

Students' responses will vary. One possible response:

I started with one pack, 5 flats, 14 skinnies, and 7 bits. I traded 10 skinnies for a flat. Then I had the fewest pieces.



Then it was easy to write the number because 1 pack means 1000, 6 flats means 600, 4 skinnies is 40, 7 bits is 7, so 1647.

Another possible response using the Base-Ten Recording Sheet.

1000s	100s		ø 1s	Number Sentence
1	5	14	7	1000 + 500 + 140 + 7 = 1647
1	6	4	7	1000 + 600 + 40 + 7 = 1647