Name: *ANSWER KEY* Date: _____

EVERYDAY MATHEMATICS—3rd Grade
Unit 1 Review: Math Tools, Time, and Multiplication

1) Use the number grid.

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

a. The difference between 92 and 126 is 34.

b. The difference between 96 and 129 is 33.

c. Explain how you used the number grid to solve Problem 1a.

Possible answer: I counted by ones from 92 to 106 and got 14. Then I counted by tens from 106 to 126 and got 20. So the difference is 34.

2) Write the time shown on each clock.

a.

3:45

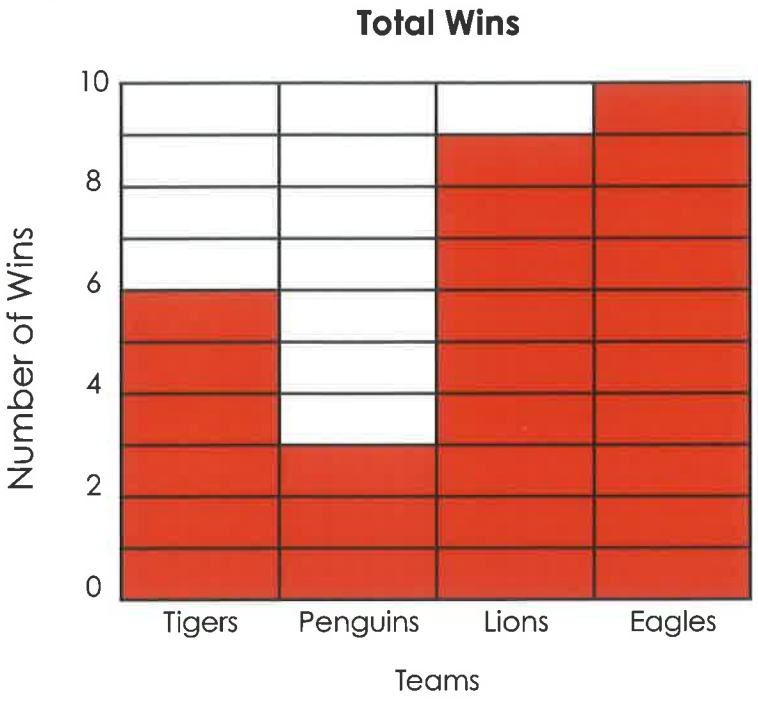
b.

10:25

Unit 1 Review (continued) *ANSWER KEY*

3) a. Use the tally chart to complete the bar graph.

Teams	Number of Wins
Tigers	/
Penguins	///
Lions	////
Eagles	



Use the data in the bar graph to answer the questions below.

b. How many wins did all of the teams have in all? 28 wins

c. How many fewer wins did the Tigers have than the Eagles? 4 wins

4) Solve each problem.

a. 6 X 2 = 12

b. 3 X 3 = 9

c. 2 X 4 = 8

d. 10 X 4 = 40

e. 5 X 3 = 15

f. 3 X 6 = 18

g. How did you solve 5 X 3?

Answers will vary.

Possible answers: I drew three rows of 5 dots. Three 5s is 15. I skip counted by 5s three times. I added 5 three times.

Unit 1 Review (continued) *ANSWER KEY*

5) For each number story, draw a sketch and write the answer. Then write a number model to fit the story.

a. Justin has 3 packs of gum.
In each pack there are 5 pieces of gum.
How many pieces of gum does Justin have in all?

X X X X X
X X X X X
X X X X X

He has 15 pieces of gum.

Number model: 5 + 5 + 5 = 15 or 3 X 5 = 15 or 5 X 3 = 15

b. Ava plants 4 rows of flowers with 6 flowers in each row. How many flowers does she plant in all?

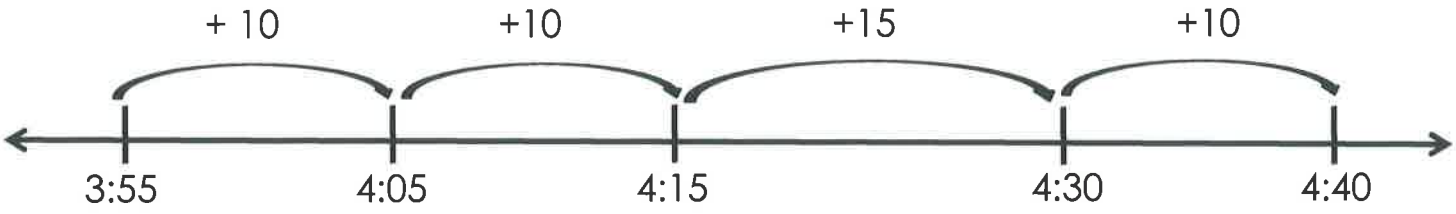
X X X X X X
X X X X X X
X X X X X X
X X X X X X

She plants 24 flowers.

Number model: 6 + 6 + 6 + 6 = 24 or 4 X 6 = 24 or 6 X 4 = 24

Unit 1 Review (continued) *ANSWER KEY*

6) Ben starts soccer practice at 3:55 P.M. and finishes at 4:40 P.M. He drew an open number line and used it to find the length of his practice.



10 + 10 + 15 + 10 = 45

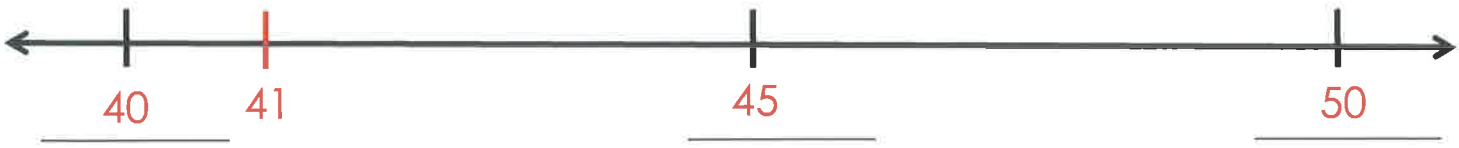
Explain Ben's work. _____

Possible answer: Ben counted up 10 minutes from 3:55 to 4:05, 10 minutes from 4:05 to 4:15, 15 minutes from 4:15 to 4:30, and 10 minutes from 4:30 to 4:40. He added up the minutes and got45 minutes.

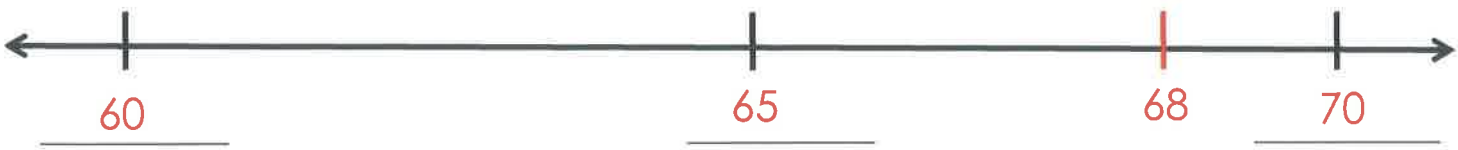
How long is Ben's soccer practice? 45 minutes long

7) Round each number to the nearest 10.
You may use open number lines to help.

a. 41 rounded to the nearest 10 is 40.



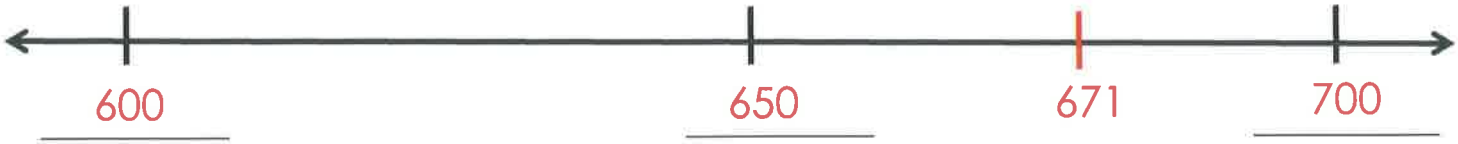
b. 68 rounded to the nearest 10 is 70.



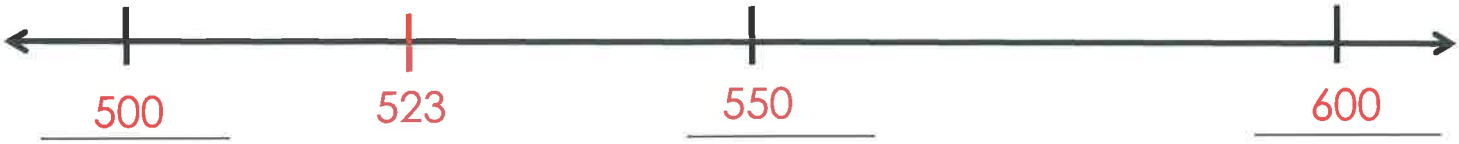
Unit 1 Review (continued) *ANSWER KEY*

8) Round each number to the nearest 100.
You may use open number lines to help.

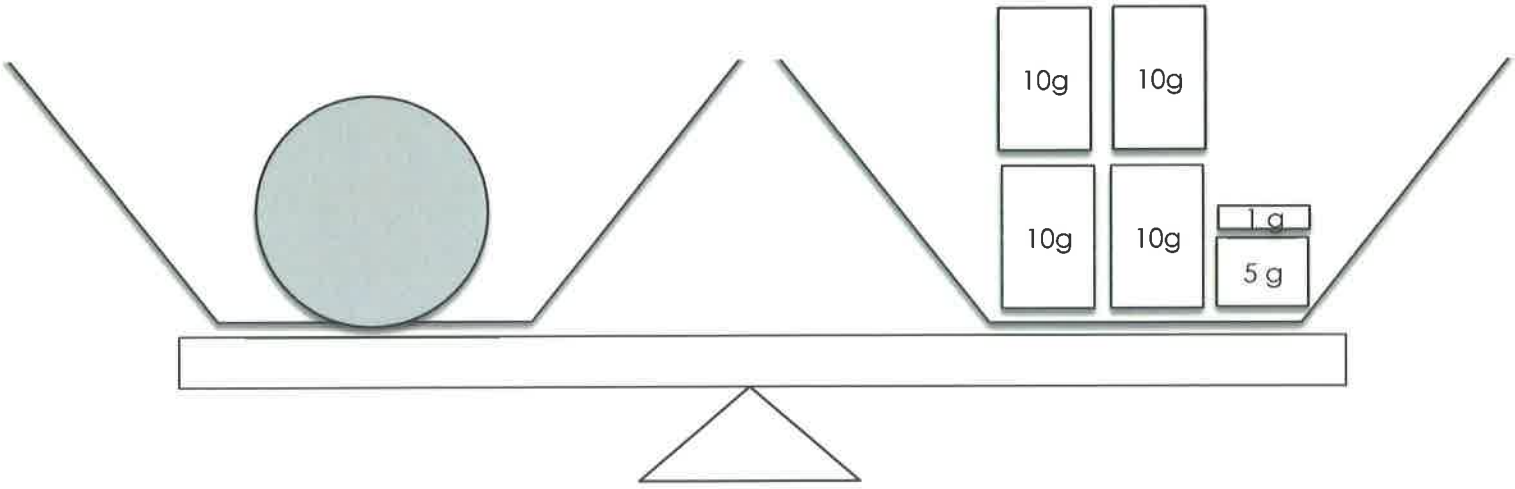
a. 671 rounded to the nearest 100 is 700.



b. 523 rounded to the nearest 100 is 500.



9) Sal used a pan balance and masses to measure the mass of a golf ball. He put the golf ball in one pan and 4 10-gram mass in the other pan. Then he added one 5-gram mass and one 1-gram masses to balance the pans. What is the mass of the golf ball?



Answer: 46 grams

How did you figure out your answer? I added 10 + 10 + 10 + 5 + 1 and got 46 grams.

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EVERYDAY MATHEMATICS—3rd Grade
Unit 1 Challenge Review

1) Matthew counts 18 toy cars and arranges them in different arrays.

a. Sketch all the possible arrays Matthew could make with the toy cars.

X X X X X X
X X X X X X
X X X X X X
3 X 6 = 18

X X X X X X X X X
X X X X X X X X X
2 X 9 = 18

X X X X X X X X X X X X X X X X X X
1 X 18 = 18

b. Write multiplication number models for each of the arrays.

c. Could Matthew make an array that has 5 rows? no

Explain. He could put 5 toy cars in each row, but then there would be 3 left over.

2) Sophia and Hector played *Number-Grid Difference*.
The object of the game is to have the lower sum of 5 scores.

Hector picked 2 and 4 and made the number 24.

Sophia picked 7 and 4. What number should Sophia make? 47

Explain your answer. She should make 47 because the difference between 24 and 47 is less than the difference between 24 and 74.

Unit 1 Challenge Review (continued) *ANSWER KEY*

3) Solve. You may use a clock or an open number line to help you. Show your work.

Olivia starts summer camp at 8:45 A.M.
She finishes at 2:15 P.M.

How many hours and minutes does Olivia spend at summer camp?

Olivia spends 5 hours and 30 minutes at summer camp.

4) Noah is working on his 10s and 5s facts.
He knows most of his 10s facts, but he has trouble with his 5s facts.
You can help him.

a. Solve.

4 X 10 = 40

4 X 10 means 4 equal groups of 10.

b. Explain how Noah can use his answer to 4 X 10 to figure out what 4 X 5 would be.

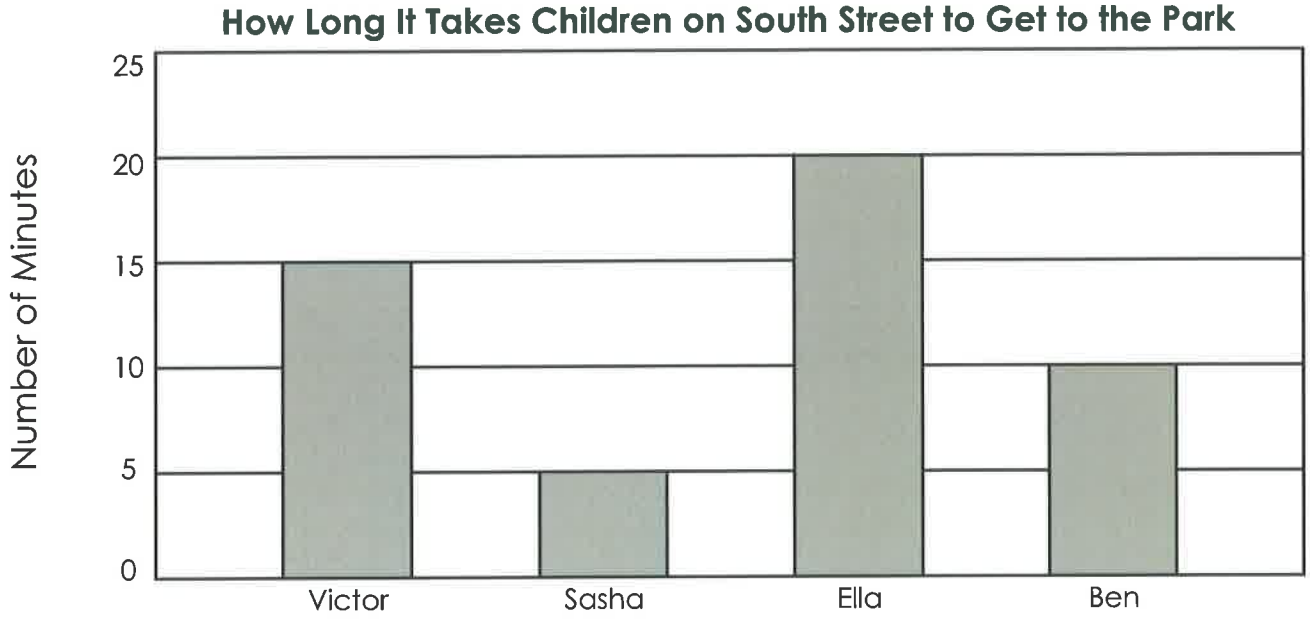
Possible answer: 4 groups of 10 is 40, 5 is half of 10, so 4 groups of 5 is half of 40, or 20.

c. Explain another way that Noah could solve 4 X 5.

Possible answer: He could skip count by 5s four times. He could also add 5 four times.

Name: *ANSWER KEY* Date: _____

EVERYDAY MATHEMATICS—3rd Grade
Unit 1 Open Response Review
Going to the Park

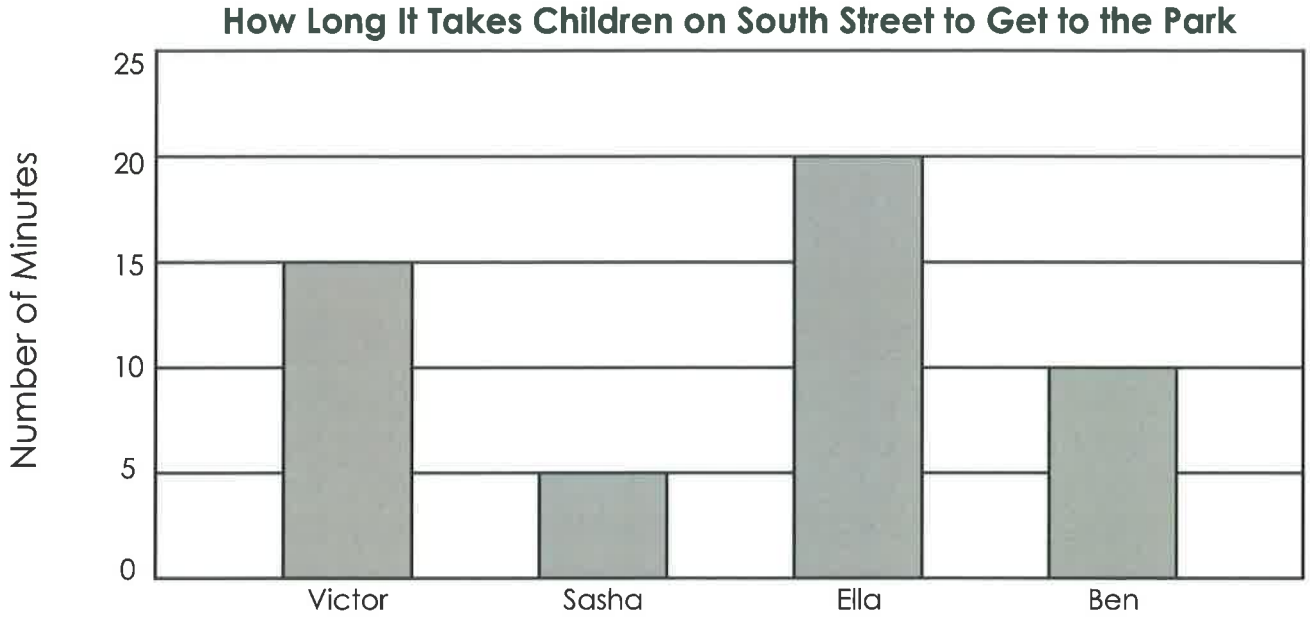


1) Look carefully at the title, labels, and bars on the graph. Write at least 5 things you know from the graph.

Possible answers:

- It takes Victor 15 minutes to get to the park.
- It takes Sasha 5 minutes to get to the park.
- It takes Ella 20 minutes to get to the park.
- It takes Ben 10 minutes to get to the park.
- Ella takes the most time.
- Sasha takes the least time.
- Sasha lives the closest to the park.
- Ella lives the furthest from the park.

Unit 1 Open Response Review (continued) *ANSWER KEY*



2) Victor leaves for the park at 3:00 P.M. Sasha leaves 5 minutes later.

a. Who gets to the park first? Sasha

b. Explain how you figured it out.

Victor
Start 3:00
+ 15 minutes
End 3:15

Sasha
Start 3:05
+ 5 minutes
End 3:10

First, I figured out what time Victor got to the park. He left at 3:00 and got there 15 minutes later. That's 3:15. Then, I added 5 minutes to 3:00 to find Sasha's start time. It's 3:05. I added 5 minutes to 3:05, which is 3:10. Sasha got to the park 5 minutes before Victor.