Send home March 28 in Thursday folders

Enhanced Math Unit 7 Study Guide

TEST Thursday, April 11th

Remember to use the vocabulary cards sent home in the Parent Letter as you work with your child on this study guide. In addition to the practice problems below, you can have your child practice counting different combinations of coins and telling time to the nearest minute on a digital and analog clock.

Standards in the Unit:

Unit 7: Measuring Time and Money (15 Days)
Big Idea: Measurement & Data Reasoning
Standard Addressed in this Unit: ***1.MDR.6: Use appropriate tools to measure, order, and compare intervals of length and time, as well as denominations of money to solve real-life, mathematical problems and analyze graphical displays of data to answer relevant questions.*** ***2.MDR.6: Solve real-life problems involving time and money.*** ***2.NR.2: Apply multiple part-whole strategies, properties of operations and place value understanding to solve real-life, mathematical problems involving addition and subtraction within 1,000.*** ***2.PAR.4: Identify, describe, extend, and create repeating patterns, growing patterns, and shrinking patterns.*** ***2.MDR.5: Estimate and measure the lengths of objects and distance to solve problems found in real-life using standard units of measurement, including inches, feet, and yards and analyze graphical displays of data to answer relevant questions.*** ***3.MDR.5: Solve real-life, mathematical problems involving length, liquid volume, mass, and time.***
Suggested Clusters of Concepts (Learning Objectives)
1.MDR.6.2 Tell and write time in hours and half-hours using analog and digital clocks and measure elapsed time to the hour on the hour using a predetermined number line. 2.MDR.6.1 Tell and write time from analog and digital clocks to the nearest five minutes, and estimate and measure elapsed time using a timeline, to the hour or half hour on the hour or half hour. 3.MDR.5.2 Tell and write time to the nearest minute. 2.MDR.6.2 Find the value of a group of coins and determine combinations of coins that equal a given amount that is less than one hundred cents, and solve problems involving dollar bills, quarters, dimes, nickels, and pennies, using $ and ¢ symbols appropriately.
2.NR.2.1 Fluently add and subtract within 20 using a variety of mental, part-whole strategies. 2.NR.2.2 Find 10 more or 10 less than a given three-digit number and find 100 more or 100 less than a given three-digit number. 2.NR.2.3 Solve problems involving the addition and subtraction of two-digit numbers using part-whole strategies. 2.NR.2.4 Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.
2.PAR.4.1 Identify, describe, and create a numerical pattern resulting from repeating an operation such as addition and subtraction. 2.PAR.4.2 Identify, describe, and create growing patterns and shrinking patterns involving addition and subtraction up to 20.

Mathematical Practices (2.MP.1- 8) should be evidenced at some point throughout each unit depending on the tasks that are explored. It is important to note that MPs 1, 3 and 6 should support the learning in every lesson.

Name _____

LESSON 7.2
More Practice/ Homework

ONLINE
Video Tutorials and Interactive Examples

Identify and Find the Value of Coins

1 (MP) **Attend to Precision** Kevin uses these coins to buy a toy car. What is the total value of Kevin's coins? Explain.

_____

_____

_____

2 (MP) **Use Structure** Count on to find the total value.

_____¢, _____¢, _____¢, _____¢, _____¢, _____¢, _____¢

3 **Open Ended** Nikki wants to buy a ball for 82¢. What coins can she use to buy the ball? Draw to show your answer.

Fill in the bubble next to the correct answer.

4 Which shows how to count to find the total value of the coins?

○ 25¢, 50¢, 60¢, 70¢, 75¢, 80¢, 85¢

○ 30¢, 40¢, 50¢, 60¢, 65¢, 70¢, 71¢

○ 25¢, 35¢, 45¢, 55¢, 60¢, 65¢, 70¢

5 What is the total value of the coins?

○ 62¢ ○ 72¢ ○ 81¢

Spiral Review

Write the number.

6 10 more than 439 is _____.

7 100 more than 578 is _____.

8 10 less than 213 is _____.

9 100 less than 825 is _____.

Name _____

LESSON 7.3
More Practice/ Homework

ONLINE
Video Tutorials and Interactive Examples

Compute the Value of Coin Combinations

1 (MP) **Attend to Precision** Bryan uses these coins to buy a bookmark. What is the total value of the coins? Draw to show your work.

_____

2 (MP) **Construct Arguments** Explain how you solved Problem 1.

_____

_____

_____

_____

3 (MP) **Use Repeated Reasoning** Rosa has these coins. What is the total value of her coins?

_____

Use these coins to answer the questions.

4 Which drawing shows the coins in order from greatest value to least value? Fill in the bubble next to the correct answer.

- ○ 25¢ 10¢ 5¢ 5¢ 5¢ 1¢ 1¢
- ○ 25¢ 10¢ 10¢ 5¢ 5¢ 1¢ 1¢
- ○ 25¢ 10¢ 10¢ 5¢ 5¢ 5¢ 1¢

5 What is the total value of the coins? _____

Spiral Review

Write >, <, or = to compare the numbers. Solve.

6 A book about animals has 146 pages. A book about sports has 128 pages. Which book has fewer pages?

146 ◯ 128

The book about _____ has fewer pages.

Solving Word Problems About Money

Solve problems 1–6. Show your work.

1 Amber has one $20 bill. She buys a book for $12. What bills could Amber get back as change?

Amber can get back _____

_____.

2 Ben wants to buy a new game. The game costs $40. Ben has two $10 bills and one $5 bill. How much more money does he need to buy the new game?

Ben needs $ _____ more.

3 Mrs. Cooper gives Kyra $35 for walking her dog. First she gives Kyra one $20 bill and two $1 bills. What other bills could Mrs. Cooper give Kyra?

She could give Kyra _____

_____.

4 Gina buys a present and pays with two $20 bills. She gets back as change one $10 bill and four $1 bills. How much does Gina spend on the present?

Gina spends $_____ on the present.

5 Dylan's dad gives him one $20 bill and one $10 bill. Now Dylan has $46. What other bills could Dylan have?

Dylan could have _____

_____.

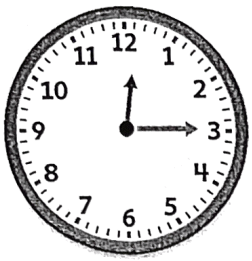
6 Angelo has two $5 bills and one $20 bill. Kate has $57. Angelo gets paid. Now Angelo has the same amount of money as Kate. How much money does Angelo get paid?

Angelo gets paid $_____.

Telling and Writing Time

What time does the clock show?
Write the same time on the digital clock.

1



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2

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3

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4

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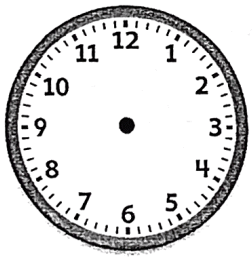
What time does the digital clock show?
Draw the same time on the other clock.

5

6:45



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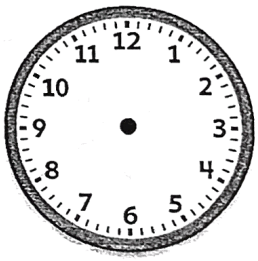

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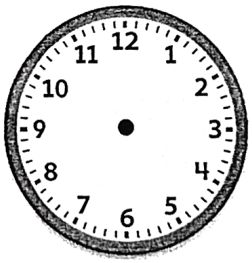

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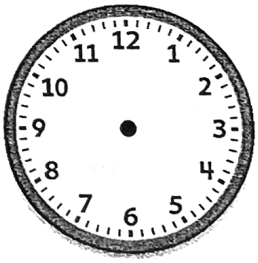
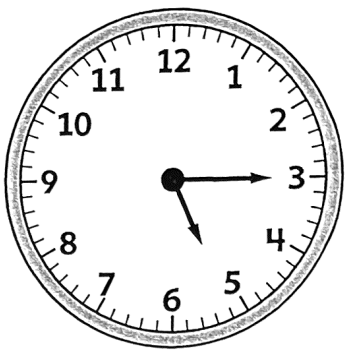


9 What strategy did you use to find the time for problem 4?

Name: _____

Solve the problems.

1 Pete goes to the baseball game at the time shown on the clock. What time does Pete go to the baseball game?

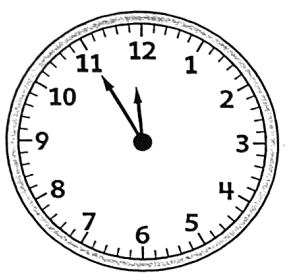


Write your answer in the blank.

_____

2 The bell rings for lunch at 11:50. Which clocks show the time the bell rings?
Choose all that apply.

Ⓐ



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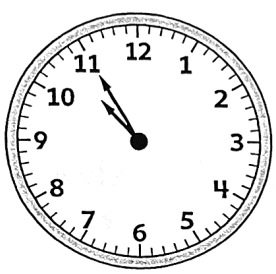

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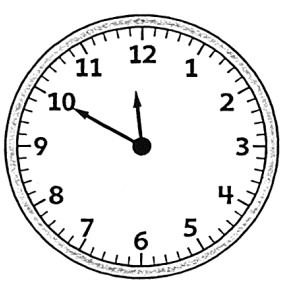

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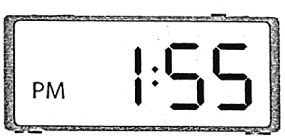

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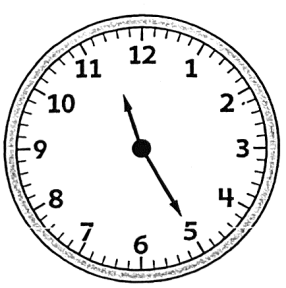

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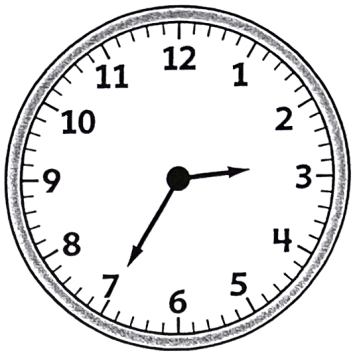
3 A play starts at the time shown on the clock.
What time does the play start?



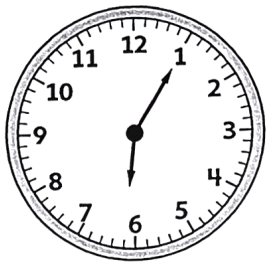
Ⓐ 2:35

Ⓑ 3:35

Ⓒ 6:15

Ⓓ 7:15

4 Cheng wakes up in the morning at the time shown on the clock. What time does Cheng wake up?
Write your answer in the blanks. Circle AM or PM.



Cheng wakes up at ____ : _____ . AM PM

5 Diana sees that the long hand on her watch points at the 9.
What time could it be?
Choose all that apply.

Ⓐ 8:45

Ⓑ 9:15

Ⓒ 8:35

Ⓓ 1:45

Ⓔ 9:00