



2nd Grade Packet 1

Subject: Mathematics

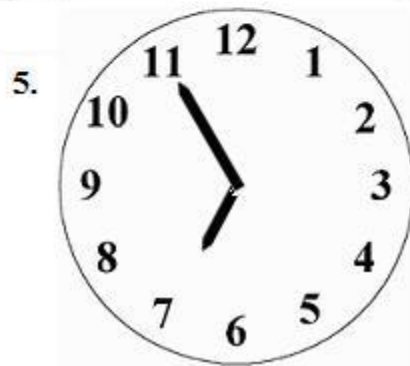
State: Ohio

Student Name: _____

Teacher Name: _____

School Name: _____

1 In the picture, there are 5 analog clocks and 5 digital clocks. Match each analog clock to the digital clock that shows the same time.



A. **07:20**

B. **06:55**

C. **02:35**

D. **01:30**

E. **10:05**

- 2 Kelli's friend asks what time it is. Kelli looks at the clock below.



What time should Kelli tell her friend?

- (A) Ten 'till three
- (B) Ten after three
- (C) Ten 'till four
- (D) Ten after four

3 What time is shown on the clock below?



(A) 1:50

(B) 2:10

(C) 2:50

4 Jamir collected some pennies in a jar. He then added some coins other than pennies to the jar. Jamir reached into the jar and pulled out this combination of coins:



(a) Jamir wants to count the total value of these coins. What coin should he start with? Why would Jamir want to start counting with that coin?

(b) What is the total value of these coins? Write a number sentence that represents the total value of the coins.

(c) Jamir reached into the jar again and pulled out different coins with the same total value. Draw a collection of coins Jamir could have pulled from the jar.

(d) Write a number sentence that represents the total value of this new set of coins.

5 Susan wants to make a birthday card for her friend.

She empties her piggy bank and finds 1 quarter, 5 dimes, 3 nickels, and 8 pennies.



(a) How much money did Susan find in her piggy bank? Show or explain how you know.

(b) Susan went to the store with her mother and saw a pack of stickers for $35¢$ and a glitter pen for $60¢$. Does she have enough money to buy both items to help make the birthday card? Show or explain how you know.

(c) While Susan was at the store, she saw a ring that she would like for herself. The ring costs $45¢$. Can she still buy the stickers, the pen, or both? Show or explain how you know.

6 Amy went to the arcade. At the arcade, people can buy tokens to use for the games.

(a) Amy paid \$5 to get some tokens. Show two different ways she could have paid using some bills and some coins.

(b) The arcade trades tokens for 15 cents each. How much money could Amy trade for her 4 leftover tokens?

7 You won first place in your school Science Fair! You have two choices for the prize:

Option 1: You can take \$20 home with you today.

Option 2: You can take \$2 a day for the next 15 days.

(a) Which option earns more money? How much more?

(b) Which option will you choose? Why?

8 Mina has \$1.35 in her purse. Which list could show the money that Mina has in her purse?

(A)

1 quarter
1 dime

(B)

4 quarters
3 dimes
1 nickel

(C)

4 quarters
1 dime
1 nickel

9 Ted found these coins on a table:



How much money did Ted find?

- (A) \$0.10
- (B) \$0.41
- (C) \$0.64

10 Arianna has been saving her chore money all summer. Her mother has allowed her to spend the money on school supplies of Arianna's choosing. Here are some of her favorite items and the price for each:



Lunchbox	Art Supplies	Pencil Box	Mechanical Pencil
\$2 and 50¢	75¢	\$1 and 25¢	45¢

Arianna has four dollars and twenty-five cents to spend.

- Select two items she might choose to purchase. What is the total cost of these two items?
- Select three items she might choose to purchase. What is the total cost of these three items? How much money will Arianna have left over if she buys these three items?
- How many pencil boxes can Arianna buy without going over the \$4 and 25¢ she has saved? Explain your thinking.

11 Ray wanted to add $67 + 25$. He asked two of his friends, Memphis and Gregory, for help.

Memphis said: "Break 67 and 25 into tens and ones:

6 tens plus 2 tens equals 8 tens

7 ones plus 5 ones equals 12 ones

So the answer is 8 tens plus 12 ones."

Gregory said: "Start with 67 and break 25 apart.

You need 3 more to get to 70, so break 3 off from 25.

Then, add the 20 from the 22 left to get to 90.

You only have 2 left, so your answer is 90 plus 2."

- (a) Find the answer to $67 + 25$ using any method you want.
- (b) What answer will Memphis get using her method?
- (c) What answer will Gregory get using his method?
- (d) Which method do you like best? Why?

12 Your friend solved the problem $63 - 32 = \underline{\quad}$.

(a) Solve this problem using your own method.

(b) When you ask your friend how she solved the problem, she says:

"I thought, '32 and what makes 63?'"

I knew I needed 30, since 30 and 30 is 60. So, that got me to 62.

I needed one more to get to 63.

So, my answer is 30 and 1, or 31."

Did she get the same answer as you? Did she use the same method as you?

13 Jamir has collected some pennies in a jar. Recently, he added coins other than pennies to his jar. Jamir reached his hand into the jar and pulled out this combination:



a. Jamir wants to count the total value of these coins. What coin do you suggest he start with? Why would Jamir want to start counting with this coin?

b. What is the total value of these coins? Write a number sentence that represents the total value of the coins.

c. Jamir reached into the jar again and was surprised to pull out a different combination of coins with the same total value as before. Draw a collection of coins that Jamir could have pulled from the jar. Write a number sentence that represents the total value of the coins.

14 Louis wants to give \$15 to help kids who need school supplies. He also wants to buy a pair of shoes for \$39. If Louis gets \$1 every day for his allowance, how many days will it take him to save enough money for both? Explain how you know.

15 Louis wants to give \$15 to help kids who need school supplies. He also wants to buy a pair of shoes for \$39.

1. How much money will he have to save for both?
2. Louis gets \$5 a week for his allowance. He plans to save his allowance every week. How many weeks does it take him to reach this goal?
3. Louis remembers his sister's birthday is next month. He sets a goal of saving \$16 for her gift. How many weeks does he have to save his allowance to reach this goal? How many weeks does he have to save his allowance for all three of his goals?

16 $20 + 30 = 30 + \underline{\hspace{2cm}}$

(A) 10

(B) 20

(C) 50

17 Find the sum: $21 + 6$

(A) 27

(B) 72

(C) 81

18 $23 + 46 + 12 = \underline{\hspace{2cm}}$

(A) 69

(B) 71

(C) 81