MATH | GRADES 2 TO 3 | STUDENT PACKET

Telling Time and Counting Money

Hours, minutes, coins, and bills for everyday classroom and store problems

IN THIS PACKET YOU WILL LEARN TO

- ✓ Read an analog clock to the nearest five minutes and to the minute
- ✓ Find how much time has passed between two times
- ✓ Count mixed coins and write the total in cents or dollars
- ✓ Solve one-step and two-step money word problems

Name _____

Teacher _____

Class _____

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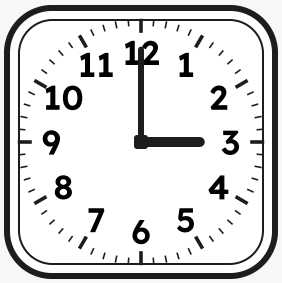
Name _____ Date _____

How a Clock Works

LEARN

Read this page with your teacher, and look at each clock before you read the steps next to it.

THE HOUR AND THE MINUTE

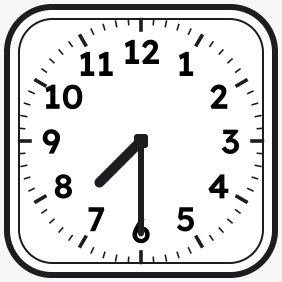


This clock shows 3:00.

1. The short hand points to the hour, which is 3.
2. The long hand points to the minutes. When it points to 12, the minutes are 00.
3. We write this time as 3:00, and we say three o'clock.

3:00

HALF PAST THE HOUR



This clock shows 7:30.

1. The long hand points to 6, and 6 means 30 minutes.
2. The short hand sits halfway between 7 and 8.
3. We write this time as 7:30, and we say seven thirty or half past seven.

7:30

WORDS TO KNOW

hour hand	The short hand on a clock. It tells the hour.
minute hand	The long hand on a clock. It tells the minutes.
o'clock	A time when the minute hand points to 12, such as 4:00.
half past	A time when the minute hand points to 6, such as 4:30.

Name _____ Date _____

Coins You Can Count

LEARN

Each coin tile shows its value. Read the steps, then try the two practice totals at the bottom.

WORDS TO KNOW

penny A penny is worth 1¢.

nickel A nickel is worth 5¢.

dime A dime is worth 10¢.

quarter A quarter is worth 25¢.

dollar A dollar bill is worth 100¢, which we write as $1.00.

COUNT THE COINS

Start with the coins that are worth the most.

1. A quarter is 25¢, and a dime is 10¢, so 25 + 10 = 35.
2. Add a nickel, which is 5¢, so 35 + 5 = 40.
3. Add two pennies, which are 2¢, so 40 + 2 = 42.

The total is 42¢.

1. 

Total: _____

2. 

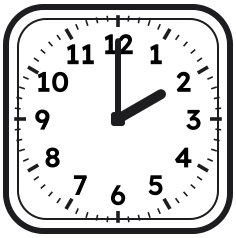
Total: _____

Name _____ Date _____

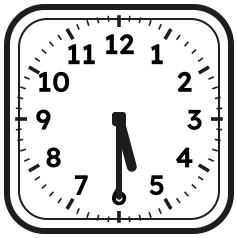
Read the Clocks

GUIDED PRACTICE

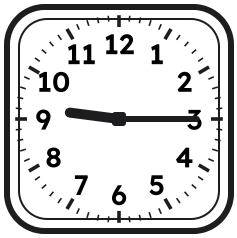
Write the time under each clock that already has hands. On the last two clocks, draw the hands to match the time that is written.

1. 

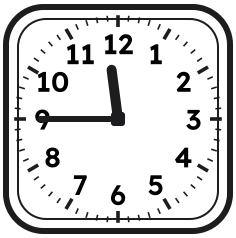
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2. 

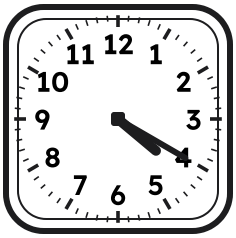
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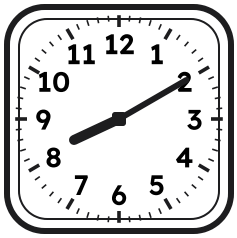
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4. 

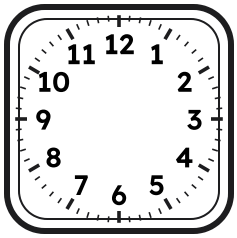
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5. 

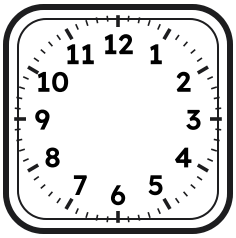
_____

6. 

_____

7. 

6:35

8. 

1:50

REMEMBER

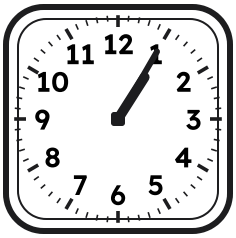
Each number on the clock stands for 5 minutes when you read the long hand. The 1 is 5 minutes, the 2 is 10 minutes, and the 3 is 15 minutes.

Name _____ Date _____

Time to Five Minutes

PRACTICE ★

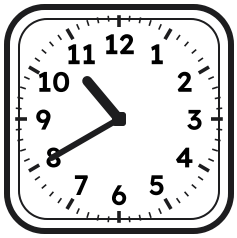
Write the time under each clock that already has hands. On the last row, draw the hands to match each time.

1. 

_____

2. 

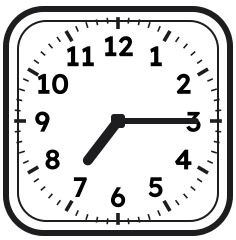
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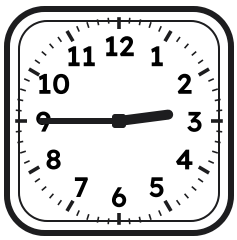
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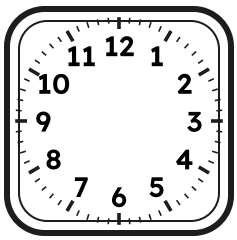
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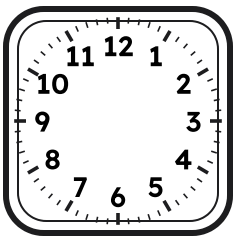
_____

6. 

_____

7. 

4:10

8. 

9:55

Name _____ Date _____

Time to the Minute and Elapsed Time

PRACTICE ★★

Write the time under each clock. Then find how many minutes pass from the start time to the end time.

1.



_____

2.



_____

3.



_____

4.



_____

How many minutes pass?

Start	End	Minutes that pass
3:10	3:25	_____
8:05	8:40	_____
1:20	2:05	_____
9:48	10:10	_____

5. Recess starts at 10:15 and lasts 20 minutes. What time does recess end?

SHOW YOUR WORK

Answer: _____

6. A movie starts at 2:40 and ends at 3:15. How many minutes long is the movie?

SHOW YOUR WORK

Answer: _____ minutes

Name _____ Date _____

Count Mixed Coins

PRACTICE ★

Count the coins in each group, starting with the coins that are worth the most. Write the total on the line.

1. 25¢ QUARTER | 25¢ QUARTER | 10¢ DIME — Total: _____

2. 25¢ QUARTER | 10¢ DIME | 10¢ DIME | 5¢ NICKEL — Total: _____

3. 10¢ DIME | 10¢ DIME | 5¢ NICKEL | 5¢ NICKEL | 1¢ PENNY | 1¢ PENNY — Total: _____

4. 25¢ QUARTER | 5¢ NICKEL | 1¢ PENNY | 1¢ PENNY | 1¢ PENNY — Total: _____

5. 10¢ DIME | 10¢ DIME | 10¢ DIME | 10¢ DIME | 5¢ NICKEL — Total: _____

6. 25¢ QUARTER | 25¢ QUARTER | 25¢ QUARTER | 5¢ NICKEL — Total: _____

Name _____ Date _____

Sort the Totals

CUT AND PASTE

Cut out the twelve cards at the bottom of the page. Glue each card in the column where its amount belongs.

Less than 40¢	From 40¢ to 75¢	Greater than 75¢

1. Look at the cards whose totals are greater than 75¢. What do you notice about those groups of coins?

_____

_____

✂

1 dollar	2 quarters + 1 dime	6 dimes	3 quarters + 2 dimes
1 quarter + 1 nickel	3 dimes	2 quarters	1 quarter + 3 dimes
1 quarter + 1 dime	2 dimes + 1 nickel	3 quarters + 1 dime	4 quarters

Name _____ Date _____

Match the Time to the Event

MATCH

Read each event on the left and find the time on the right that fits it. Write the letter of the time on the line.

EVENT		TIME
1. The school day starts	_____	**A** 8:30 at night
2. Morning recess begins	_____	**B** 3:05 in the afternoon
3. Lunch begins	_____	**C** 4:15 in the afternoon
4. Quiet reading starts after lunch	_____	**D** 12:40 in the afternoon
5. Art class begins	_____	**E** 10:15 in the morning
6. The last bell rings	_____	**F** 12:00 noon
7. A soccer game starts after school	_____	**G** 8:00 in the morning
8. Bedtime on a school night	_____	**H** 1:30 in the afternoon

9. Write one thing you do in the morning and the time you usually do it.

Name _____ Date _____

Money Riddle

RIDDLE

Find each total in cents and look it up in the code table. Write the letter for that total on the line with the same number to answer the riddle.

What kind of money do monsters use?

_____ _____ _____ _____ _____ _____ _____
1 2 3 4 5 6 7

CODE TABLE

10	15	20	25	30	35	40	45
E	C	T	Y	N	O	A	R

1. 1 quarter + 1 dime = _____¢
2. 3 dimes = _____¢
3. 2 nickels
5. 1 dime = _____¢
6. 2 dimes + 2 nickels = _____¢
7. 4 nickels

Name _____ Date _____

Time and Money Word Problems

APPLY

Read each problem twice and show your work in the box. Write your answer with the label on the line.

1. A bus leaves at 8:20 and arrives at 8:55. How many minutes does the ride take?

SHOW YOUR WORK

Answer: _____ minutes

2. Nia has 2 quarters, 1 dime, and 1 nickel. How much money does she have?

SHOW YOUR WORK

Answer: _____

3. Theo buys a pencil that costs 35¢ and pays with 2 quarters. How much change should he get?

SHOW YOUR WORK

Answer: _____

4. A lesson starts at 1:10 and lasts 40 minutes. Then the class takes a 10 minute break. What time does the break end?

SHOW YOUR WORK

Answer: _____

Name _____ Date _____

Find the Mistake

ERROR ANALYSIS ★★

Each box shows work from a student who made a mistake. Read the work carefully, explain what went wrong, and then answer the question below it.

Elena's work

The long hand points to the 4.
Each number is 5 minutes, so 4 means 4 minutes.
I think the clock says 2:04.

1. What mistake did Elena make? Explain it in a complete sentence.

2. The long hand points to the 8. How many minutes is that, and how do you know?

YOUR WORK

Marcus's work

I have 1 quarter, 2 dimes, and 1 nickel.
25 + 10 + 5 = 40.
So I have 40¢.

3. What mistake did Marcus make? Explain it in a complete sentence.

4. Count 1 quarter, 3 dimes, and 2 nickels. Write the total.

YOUR WORK

Name _____ Date _____

Explain Your Strategy

WRITE ABOUT MATH

Answer each question in complete sentences. Use the sentence starters if they help.

1. You have 3 dimes, 1 nickel, and 4 pennies. How do you find the total, and what is it?

First I add the dimes, which are _____. Then I add _____, so the total is _____.

DRAW THE COINS OR A NUMBER LINE THAT SHOWS YOUR WORK

2. A class starts at 9:20 and ends at 10:05. How do you find how many minutes the class lasts?

Name _____ Date _____

Mixed Review

REVIEW

Solve each problem and check your work when you finish. Use any strategy from this packet that helps you.

1.



_____

2.



_____

3.



5:15

4.



12:05

5.

25¢ QUARTER	10¢ DIME	10¢ DIME	5¢ NICKEL

Total: _____

6.

25¢ QUARTER	25¢ QUARTER	5¢ NICKEL	1¢ PENNY	1¢ PENNY

Total: _____

7. A walk starts at 2:10 and ends at 2:45. How many minutes does the walk take?

SHOW YOUR WORK

Answer: _____ minutes

8. Kim buys a sticker that costs 40¢ and pays with 2 quarters. How much change should she get?

SHOW YOUR WORK

Answer: _____

Name _____ Date _____

Exit Tickets

CHECK

Your teacher will cut this page on the dotted line so each student gets one ticket. Solve all four problems on your own and show your work.

Time and Money Exit Ticket

Name _____

1.



_____

2.



9:45

3. You have 1 quarter and 2 dimes. How much money do you have?

SHOW YOUR WORK

Answer: _____

Time and Money Exit Ticket

Name _____

1.



_____

2.



9:45

3. You have 1 quarter and 2 dimes. How much money do you have?

SHOW YOUR WORK

Answer: _____

Name _____ Date _____

How Did I Do?

SELF-CHECK

Read each skill and put a check in the box that fits you best. Then answer the two questions at the bottom of the page.

Skill	I can do this on my own.	I can do this with a little help.	I am still learning this.
I can read a clock to the nearest five minutes.	☐	☐	☐
I can read a clock to the nearest minute.	☐	☐	☐
I can find how many minutes pass between two times.	☐	☐	☐
I can count mixed coins and write the total.	☐	☐	☐
I can find the change after a purchase.	☐	☐	☐
I can solve word problems about time or money.	☐	☐	☐

1. Which skill do you want to practice more, and why?

2. Which strategy from this packet helps you the most? Show how it works with one problem.