

CLOCK WORK

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Clockwork

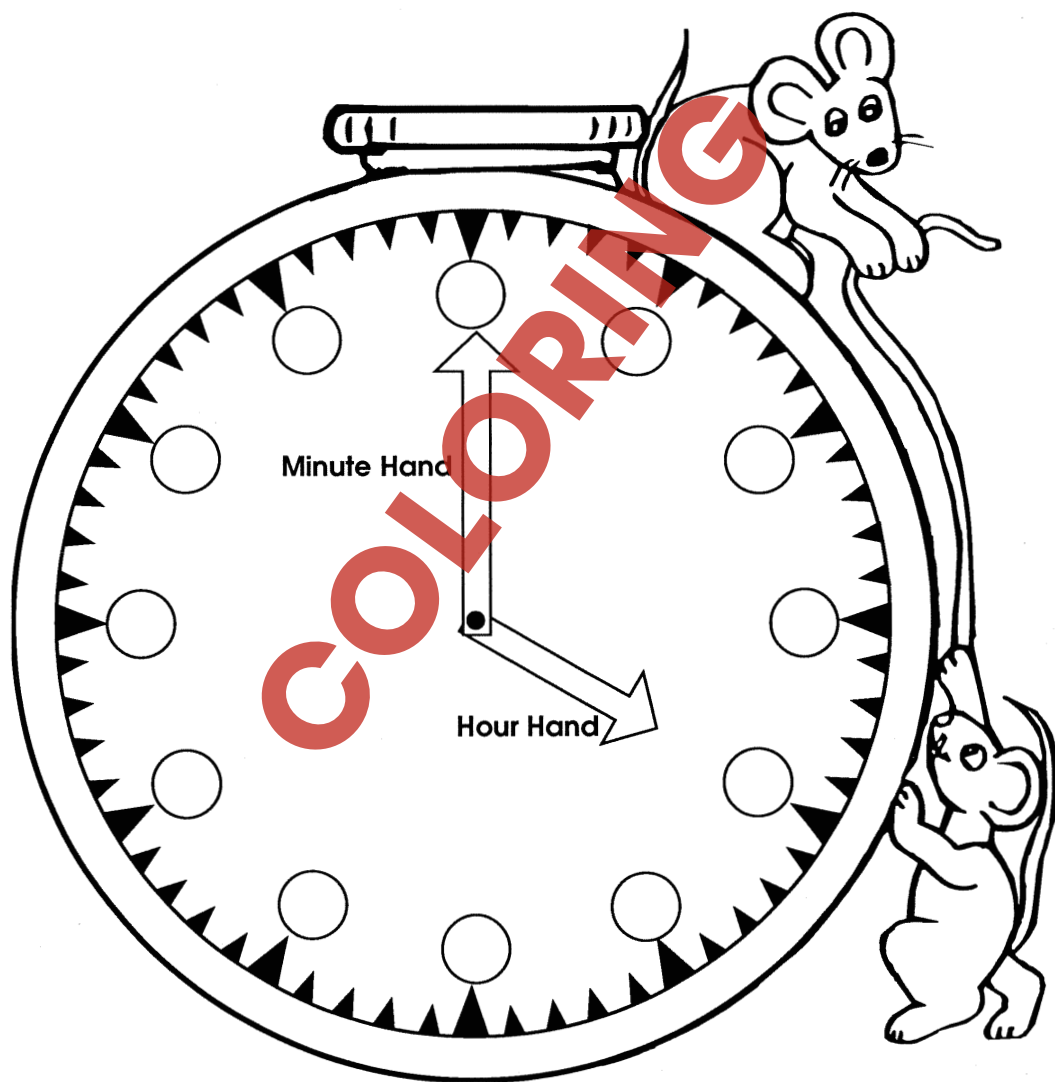
Name: _____

Fill in the numbers.

Find the hand that tells you the hour and colour it red.

Find the hand that tells you the minutes and colour it blue.

How many minutes are in one hour? _____ minutes



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Making A Clock

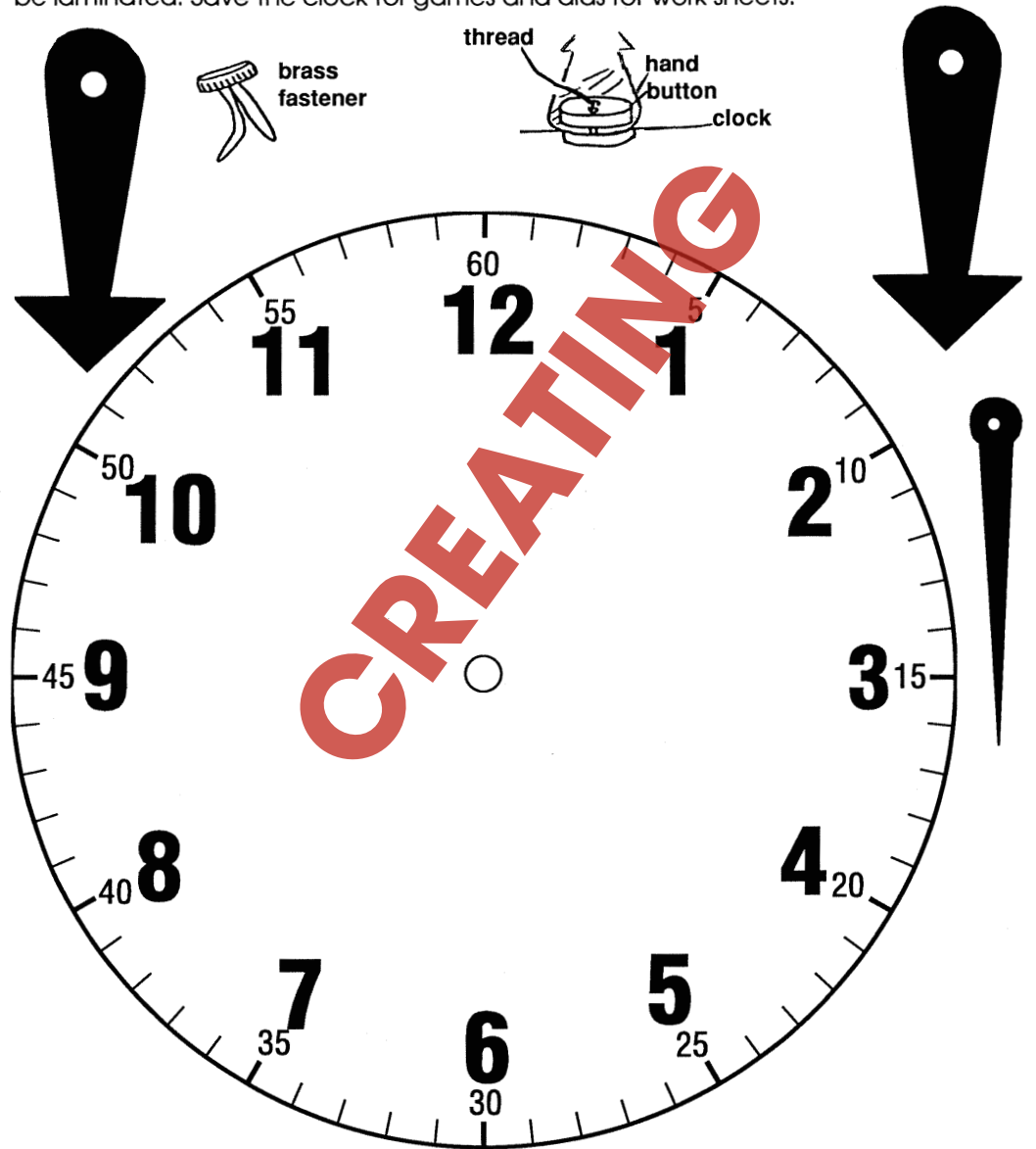
Cut out the clock and hands.

Mount them on strong cardboard, such as bristol board or large sides of cereal boxes.

Trim around the clock and punch holes where shown on the clock and hands.

Join them together with brass fasteners or two buttons and thread.

Before placing the hands on the clock face, the clock and hands can be laminated. Save the clock for games and aids for work sheets.



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What Time is It?

Name: _____

Start with the clock below.

Fill in the time of each activity as you go through the day.



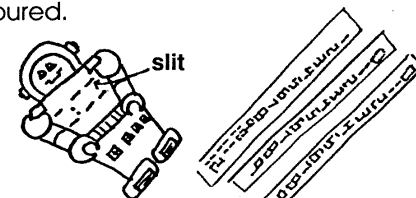
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Digital Robot Clock

For each student in the class, photocopy a robot and the number lines. Cut out the robot and the number lines. Robots can be coloured.

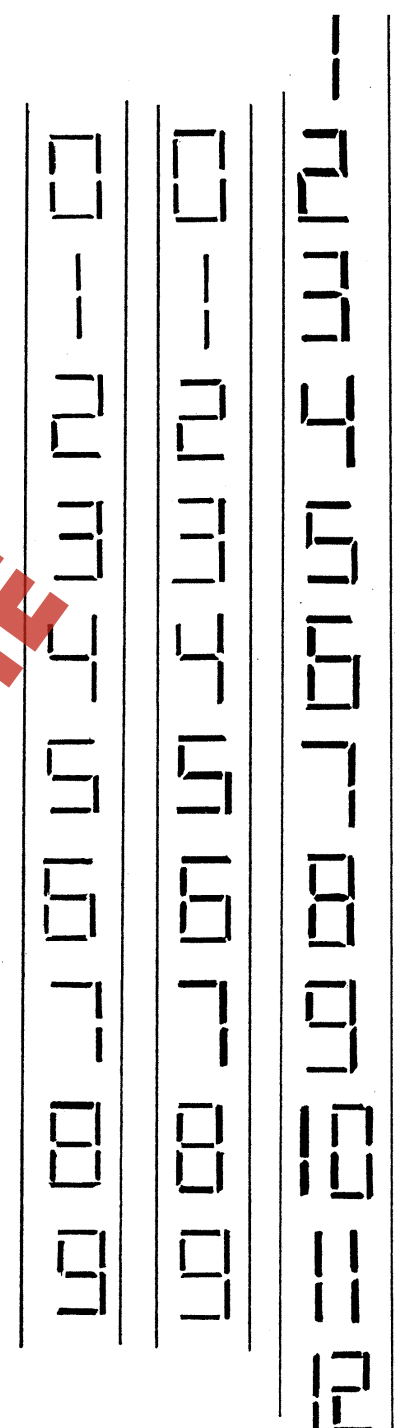


Cut the slits along the lines and slide the number lines through the slits from the front and to the back. The numbers will show in the front of the robots. The students can slide the number lines up or down to show the times.

GAME 1: The teacher verbally gives a time and shows it on a large face teaching clock. The students can display it on their robot clocks. The teacher can give a time question and the children can show the answer on their robots.

e.g. What time do you wake up? What time do you catch your bus? Show me the time school starts. If it is 10:00 now and the trip will take 45 minutes, what time will it be when the trip is over? Our lunch time starts at 12:00 and will last for 25 minutes, what time will it be over?

GAME 2: The children can break up into small groups of 2 to 4. The child with the face clock can choose a time and the other children must set their robot clocks to the same time. The face clock is then passed to the next person. Alternately, a time can be shown on the robot clock and then matched by the students on a face clock.



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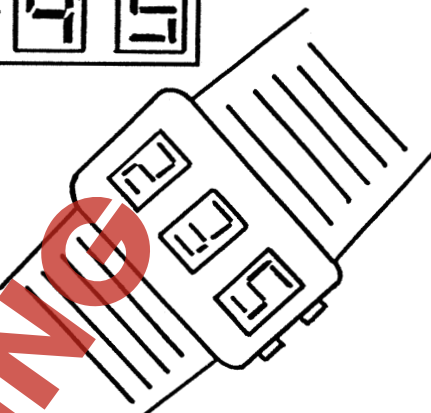
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Name: _____

Time Match

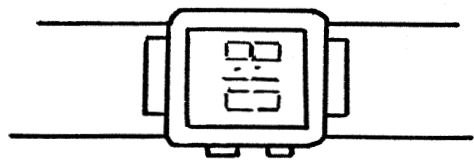
Draw a line to match the clocks with the correct times.

4:45

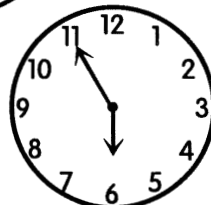
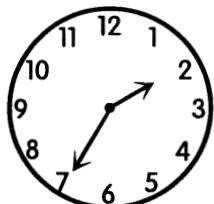
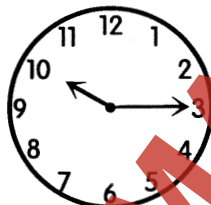
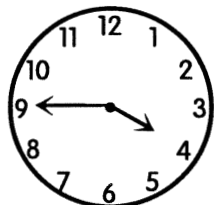
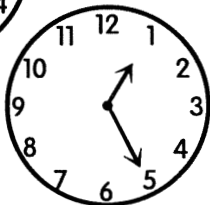
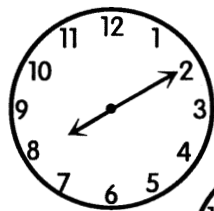


10:15

1:25



6:55



Measuring Time in Seconds

Materials: large teaching clock with a second, minute and hour hand stopwatch

Part 1—Teacher Directed

What is a second?

How long is a second?

Is one second a long time or a short time?

Show the second hand on the clock.

On the stopwatch demonstrate one second.

"That was a fast time. What can you do in one second?"

(Hold your breath, stand on one foot...)

Show the movement of five seconds on the large clock.

Time five seconds on the stopwatch.

As a group, count out five seconds, saying "One second, two seconds, three seconds, four seconds and five seconds."

That was five seconds.

What can you do in five seconds?

Repeat the process for 10 seconds, 15 seconds, 30 seconds, 45 seconds and 60 seconds.

"Sixty seconds equals one minute!"

Demonstrate the seconds on both the large clock and the stopwatch.

Show the children how to use a stopwatch or measure time on the classroom clock.

Remind them that clocks and stopwatches are not toys and to use them carefully.

Part 2: Class Experience

Materials: worksheet "How Long Does It Take?"
stopwatches
regular classroom activities

Method: The children can work in pairs or groups.
Have the children record in seconds how long it takes to complete the activities.

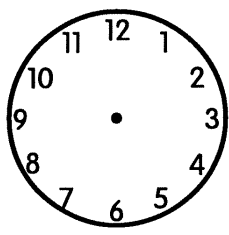
ACTIVITY	TIME IN SECONDS
e.g. 1. Read a story. 2. Tie your shoes. 3. Hold your breath. 4. Finish a puzzle.	

Name: _____

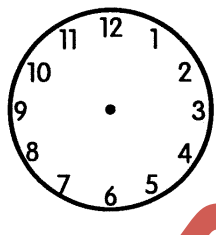
Worksheet 2

It's time to tell the time!

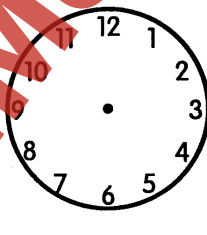
1. Fill in the times.



9:15



3:30



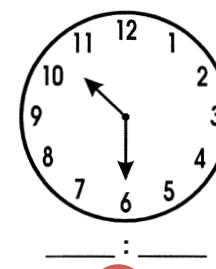
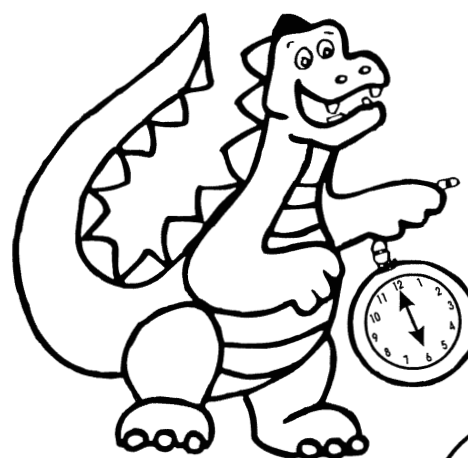
4:45

- Noel did her math homework for 10 minutes, her spelling for 10 minutes and printing for 10 minutes.
How long did she spend on her homework?
- George slept for 5 minutes and woke up. He fell asleep for 5 minutes, had a bad dream and woke up again. He fell back to sleep for another 5 minutes, then his Mom said, "Time to wake up."
How long did he sleep altogether?
- Steve took the bus for a 20-minute ride, then took the subway for a 20-minute ride.
How long was his trip?
- Jamel rode his bike for 15 minutes and stopped for a rest. Then he rode his bike for another 15 minutes.
How long did Jamel ride his bike?
- Terry watched a show on TV for 15 minutes. He then watched another show for 10 minutes.
How long did he watch TV?

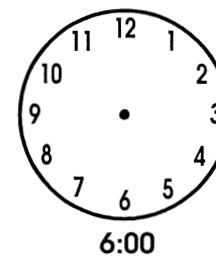
Name: _____

O'clock & Half Past

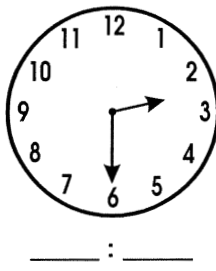
Fill in the times.



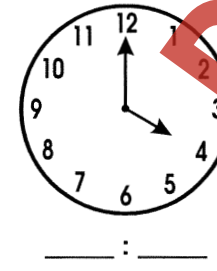
_____ : _____



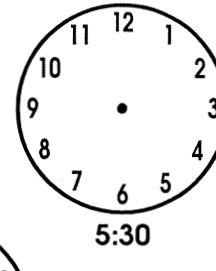
6:00



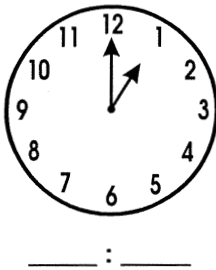
_____ : _____



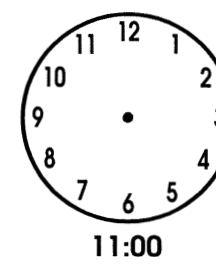
8:00



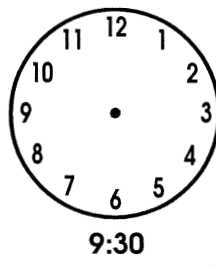
5:30



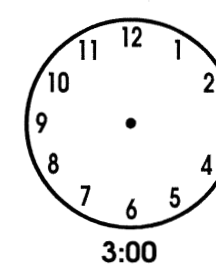
_____ : _____



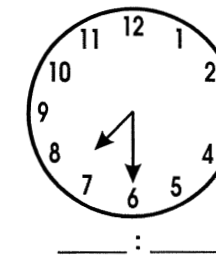
11:00



9:30



3:00



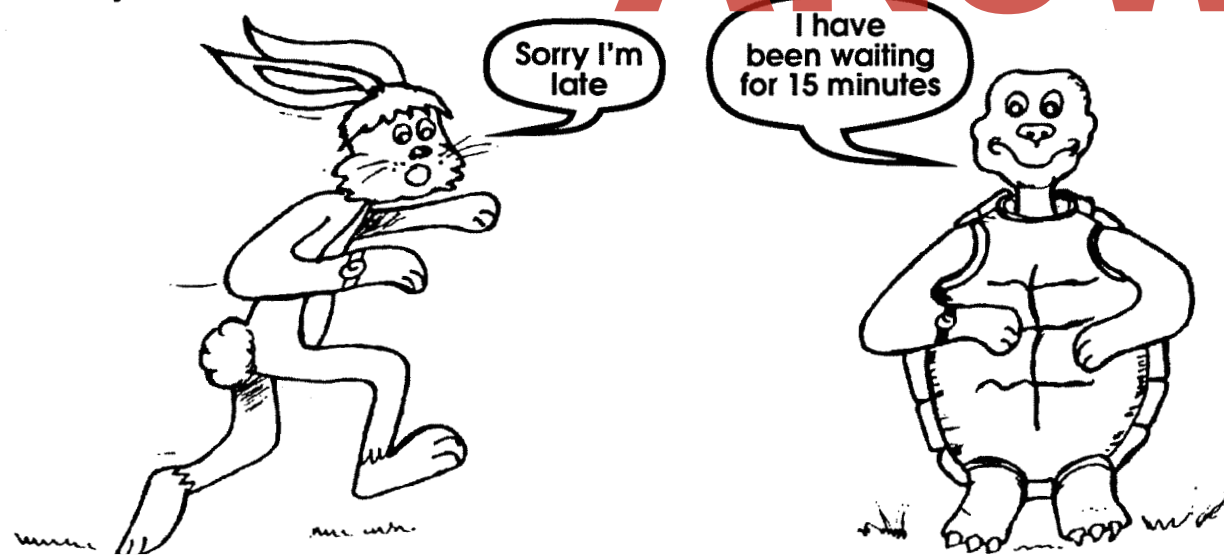
_____ : _____

Name: _____

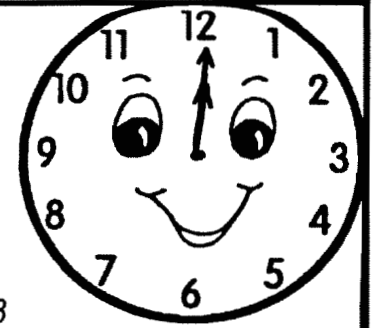
Late or Early?

Circle the correct answer: (late) (early)

- John arrived at the doctor's office at 9:15 a.m. His appointment is for 10:30 a.m. Is John late or early?
- Tracy invited Matt over to play at 11:00 a.m. He arrived at 10:15 a.m. Is he late or early?
- Jeff's train is to leave the station at 8:30 p.m. He arrived at the station at 8:30 a.m. Is he late or early?
- Zak came to school at 11:00 a.m. Is he late or early?
- The play starts at 7:00 p.m. Susan arrived at 8:30 p.m. Is she late or early?
- The circus show starts at 2:00 p.m. Willy and Sam came at 2:10 p.m. Are they late or early?
- Dinner time is 6:00 p.m. Kelly came home at 6:27 p.m. Is she late or early?
- The movie starts at 7:30 p.m. Carl and Tina arrived at the theatre at 6:15 p.m. Are they late or early?
- Mike's bus picks him up at 8:35 a.m. Mike arrived at the bus stop at 8:45 a.m. Is he late or early?
- Megan came to Courtney's house at 4:15 p.m. Courtney thought Megan would come at 4:35 p.m. Is Megan late or early?
- Natalie's bed time is 8:00 p.m. She went to bed at 8:49 p.m. Is she late or early?
- Norman's piano lesson is at 4:15 p.m. He arrived at 3:55 p.m. Is he late or early?



Answers



Late or Early? pg. 42

- early
- early
- early
- late
- late
- late
- late
- early
- late
- early
- late
- early

Worksheet 1 pg. 43

- 2:15 p.m.
- 12:20 p.m.
- 4:40 p.m.
- 4:40
- 4:45

Worksheet 2 pg. 44

- 30 minutes
- 15 minutes
- 40 minutes
- 30 minutes
- 25 minutes

Worksheet 3 pg. 45

- 45 minutes
- 70 minutes / 1 hour, 10 minutes
- 30 minutes
- 1 hour
- 35 minutes

Worksheet 4 pg. 46

- 27 minutes
- 90 minutes / 1 hour, 30 minutes
- 3 hours, 46 minutes
- 40 minutes
- 70 minutes / 1 hour, 10 minutes

Worksheet 5 pg. 47

- 4:15
- 10 minutes to 2 / 1:50
- 8:37 a.m.
- 30 minutes
- 3:00 p.m.

Worksheet 6 pg. 48

- 7 hours
- 2:30 p.m.
- 10:35
- 4:15
- 10:35 a.m.
- 9:45

Worksheet 7 pg. 49

- 7:30 p.m.
- 8:54
- 11:05 a.m.
- 6:45 p.m.
- 5:00 p.m.

Worksheet 8 pg. 50

- 1:25 p.m.
- 2:30 p.m.
- 1 hour, 15 minutes
- 3 hours, 30 minutes
- 8:00 p.m.

Worksheet 9 pg. 51

- 33 seconds
- 8 seconds
- 11:05 a.m.
- 1 hour, 15 minutes
- 20 minutes to 3 / 2:40 p.m.

Worksheet 10 pg. 52

- 9 minutes
- 5:40 / 20 minutes to 6
- 2 hours, 10 minutes, save 20 minutes
- 1 hour, 15 minutes
- Tony is the fastest, Robert is the slowest

Mixed Up Words pg. 53

- watch
- clocks
- time
- seconds
- hour
- minute