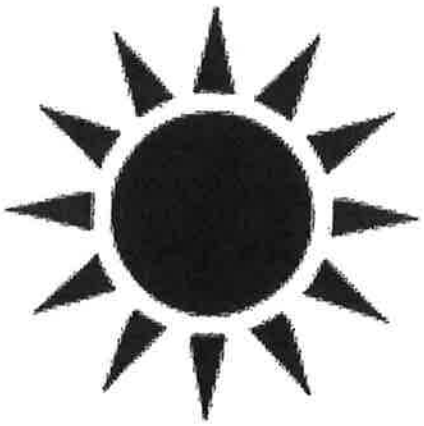
NTI DAY 21



Harrison County Schools

Name: _____

Grade: 4

Teacher: _____

Complete within 2 weeks of returning to school.

Day 21 Checklist (complete ALL items on the checklist)

Reading

____ Read "The Girl Who Loved Spiders"

Math

____ Complete Daily Common Core Review 6-1

____ Mini Lesson 14-1 (Number Sequences)
Video can be found at
https://media.pk12ls.com/curriculum/math/enVisionmath_CC20_K6_2016_EN/VLAs/A0281843/player.html or students can read the lesson of the video on the attached sheet page 734

____ Complete homework practice pages 737-738

____ Additional online resources:
Number Rock: Input Output Tables and Number Patterns:
https://www.youtube.com/watch?v=d1COIcRoSgo

Science

____ Read "Plants with Seeds" Answer the six multiple choice questions and complete the open response on the answer sheet provided.

Learning Resource Video: "Who Needs Dirt?"
https://www.youtube.com/watch?v=eCSIrlk0GTs

Learning Resource Video:"Seed Dispersal"
https://www.youtube.com/watch?v=xY4JFOSuqvY

Learning Resource Video: "Vegetation Transformation"
https://www.youtube.com/watch?v=EstPeBt9CyU

PE/Health & Nutrition

____ Chose and Complete a Tabata Workout following the directions

____ Complete PE Fitness Calendar

____ Create your own game following directions provided

Name _____

Daily Common Core Review
6-1

1. A store employee counts 285 different lawn decorations. He wants to organize them and place the lawn decorations on 9 shelves. About how many lawn decorations will go on each shelf?

   Ⓐ About 30 decorations

   Ⓑ About 40 decorations

   Ⓒ About 50 decorations

   Ⓓ About 90 decorations

2. Donna has read 9 chapters in her book. The book has 12 chapters in all. Each chapter has 38 pages. How many more pages does Donna have to read to finish the book?

   Ⓐ 1,194 pages

   Ⓑ 456 pages

   Ⓒ 114 pages

   Ⓓ 76 pages

3. Raja put 35 marbles into each jar. There are 28 jars. How many marbles did Raja put into all the jars?

   Ⓐ 980 marbles

   Ⓑ 840 marbles

   Ⓒ 340 marbles

   Ⓓ 63 marbles

4. Which comparison is true?

   Ⓐ $82{,}429 > 83{,}932$

   Ⓑ $69{,}492 > 69{,}742$

   Ⓒ $45{,}920 < 45{,}936$

   Ⓓ $23{,}950 < 21{,}492$

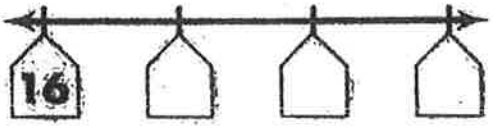
5. Dennis has 171 shells in his collection. Fred has 208 shells. Round each amount to the nearest ten. About how many more shells does Fred have?

6. Marissa has 10 grapes. Roger has 3 times as many grapes as Marissa. How many grapes do Marissa and Roger have in all?

7. Ian multiplies a number by 5. The product of the two numbers is 495. What number does Ian multiply by 5? Explain.

8. Bryce grows a sunflower that contains 1,354 sunflower seeds. Six people share the harvested seeds. If they share the seeds equally, how many seeds will be left over?

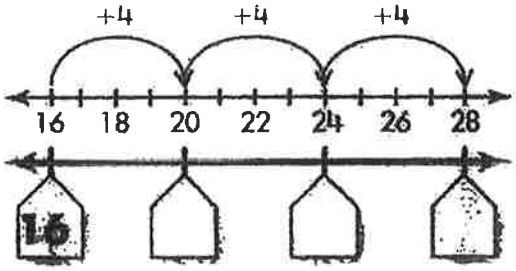
The house numbers on a street follow the rule "Add 4." If the pattern continues, what are the next three house numbers? Describe a feature of the pattern.



You can use a number line to help make sense of the problem and find the next three house numbers.

B Use a number line to continue the pattern.

A rule is a mathematical phrase that tells how numbers or shapes in a pattern are related. The rule for the house numbers is "Add 4."



The next three house numbers are 20, 24, and 28.

C Describe features of the pattern.

Some patterns have features that are not given in the rule.

16, 20, 24, 28

One of the features of this pattern is all of the house numbers are even numbers.

Another feature is all of the house numbers are multiples of 4.

Convince Me! **MP.8 Generalize** Can you use the rule "Add 4" to create a different pattern with all odd numbers? Explain.

Name _____

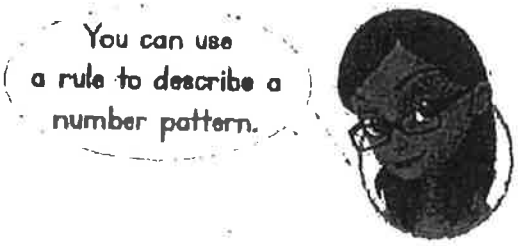
Help | Practice Buddy | Tools | Games

Homework & Practice 14-1

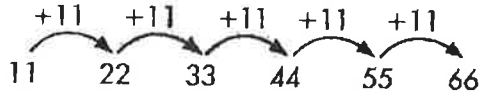
Number Sequences

Another Look!

Melanie has to create a pattern using the rule "Add 11." Her starting number is 11. What are the next 5 numbers in Melanie's pattern? Describe a feature of the pattern.



Use the rule to continue the pattern.



The next 5 numbers in Melanie's pattern are 22, 33, 44, 55, and 66.

Describe features of the pattern.

- The numbers in the pattern are multiples of 11.
- The digits in the ones place increase by one as the pattern continues.

For **1–6**, continue each pattern. Describe a feature of each pattern.

1. Subtract 2: 30, 28, 26, _____, _____

2. Add 8: 14, 22, 30, _____, _____

3. Add 9: 9, 18, 27, _____, _____

4. Subtract 7: 49, 42, 35, _____, _____

5. Add 10: 213; 223; 233; _____; _____

6. Subtract 8: 92, 84, 76, _____, _____

For **7–12**, use the rule to fill in the missing number in each pattern.

7. Add 3

41, 44, _____, 50

8. Subtract 10

429, 419, 409, _____

9. Add 6

11, _____, 23, 29

10. Add 7

1, _____, 15, 22

11. Subtract 2, Add 3

6, 4, 7, _____, _____

12. Add 2, Subtract 4

10, 12, 8, _____, _____

13. **MP.5 Use Appropriate Tools** Emily buys a sandwich, a salad, and a drink. If she gives the cashier $20, how much change will she receive? Use bills and coins to solve.

DATA

Item	Price
Sandwich	$5.75
Salad	$3.25
Drink	$1.45

14. Mimi started a pattern with 5 and used the rule "Add 10." What are the first five numbers in Mimi's pattern? Describe the numbers in the sequence.

15. **MP.2 Reasoning** Jack arranged the pencils in groups of 6 to make a pattern. His rule is "Add 6." His starting number is 6. What are the next 4 numbers in Jack's pattern?

16. Presidential elections are held every 4 years. There were Presidential elections in 1840, 1844, 1848, and 1852. When were the next three Presidential elections? Describe a feature of the pattern.

17. **Higher Order Thinking** Sarah created a pattern. Her rule was "Add 4." All the numbers in Sarah's pattern were odd. Three of the numbers in Sarah's pattern were less than 10. What was the starting number for Sarah's pattern?

Common Core Assessment

18. The house numbers on Carr Memorial Avenue follow a pattern. The first four houses on the left side of the street are numbered 8, 14, 20, and 26. The rule is "Add 6." How many more houses are on the left side of the street with numbers less than 50?

Ⓐ 1 house
Ⓑ 2 houses
Ⓒ 3 houses
Ⓓ 4 houses

19. Noreen is training for a race. The first week she runs the route in 54 minutes. The second week, she runs the route in 52 minutes. The third week, she runs the route in 50 minutes. Noreen runs 2 minutes faster each week. If the patter continues, how many minutes will it tak Noreen to run the route the fifth week?

Ⓐ 44 minutes
Ⓑ 46 minutes
Ⓒ 48 minutes
Ⓓ 50 minutes

KCCT

CHAPTER 1: Classifying Living Things

Read the article below to answer questions 1–7.

Plants with Seeds

Fruit-Bearing Plants

A seed is a plant part from which a new plant can grow. A seed is made up of a young plant, called an embryo, and stored food enclosed in an outer coating. Seeds are found in fruits and in cones. Plants that form seeds are classified into two groups—flowering plants, such as orange trees, and cone-bearing plants, such as pine trees.

Many of the plants you know form seeds in flowers. Flowers are reproductive structures. The male part of a flower forms pollen, a powdery substance that contains the male reproductive cells. The female part forms eggs, female reproductive cells.

Seeds form in a flower after pollen lands on the female part of the flower. A male reproductive cell from the pollen and an egg join. As the seed forms, the part of the flower holding the seed changes and becomes a fruit. A fruit is the part of a flowering plant that contains and protects the seeds.

Cone-Bearing Plants

Most cone-bearing plants have both male and female cones. Male cones produce pollen. Wind may carry this pollen to a female cone. There, the male reproductive cells in the pollen may join with an egg. After the cells join, they form a single cell. This cell divides several times and develops into a seed.

Cone-bearing plants include pines, firs, spruces, redwoods, junipers, hemlocks, ginkgoes, and cycads. When cones first form, they are fleshy and tightly closed. In time the scales on the cones open to release pollen or to allow pollen to enter.

Seeds develop between the cone scales. The seeds do not have an outer covering. As the seeds develop, the cone dries out and becomes woody. The scales open more, and seeds are released.

PLEASE GO ON TO THE NEXT PAGE→

Kentucky Core Content for Assessment: SC-04-3.4.1 Students will compare the different structures and functions of plants and animals that contribute to the growth, survival and reproduction of the organisms; make inferences about the relationship between structure and function in organisms.

Name _____ Date _____

KCCT

Please mark your answer for each multiple-choice question by filling in the circle completely for the correct answer. Mark only one answer for each question. If you do not know the answer, make your best guess.

1. What does a male cone produce?
   - (A) seeds
   - (B) flowers
   - (C) pollen
   - (D) fruit

2. The main job of a fruit is to
   - (A) protect the seeds inside.
   - (B) provide food for people.
   - (C) form pollen cells.
   - (D) grow into a new plant.

3. What are flowers?
   - (A) plant parts that contain cones
   - (B) male and female cones
   - (C) reproductive structures
   - (D) plant parts that contain firs

4. Which of the following is a FACT?
   - (A) All plants reproduce by seeds.
   - (B) Cone-bearing plants produce covered seeds.
   - (C) Flowering plants produce uncovered seeds.
   - (D) Fruits cover and protect the seeds of flowering plants.

Use the illustration below to answer question 5.

HINT Observe the picture carefully.

5. Which sentence BEST describes the picture above?
   - (A) The tree has cones.
   - (B) The tree will have fruit.
   - (C) The tree has uncovered seeds.
   - (D) The tree is probably a spruce tree.

6. What would happen if the scales on a cone did NOT open fully?
   - (A) The seeds would have coverings.
   - (B) Part of a fruit would become a flower.
   - (C) Seeds would not be able to get out.
   - (D) The tree would die.

PLEASE GO ON TO THE NEXT PAGE→

KCCT

Name _____ Date _____

OPEN-RESPONSE QUESTION

Read all parts of the open-response question before you begin. Use the grid on the next page to create any required charts or graphs. If a question does not require a chart or graph, write your written response over the grid lines.

HINT Review the article about fruit-bearing plants and cone-bearing plants.

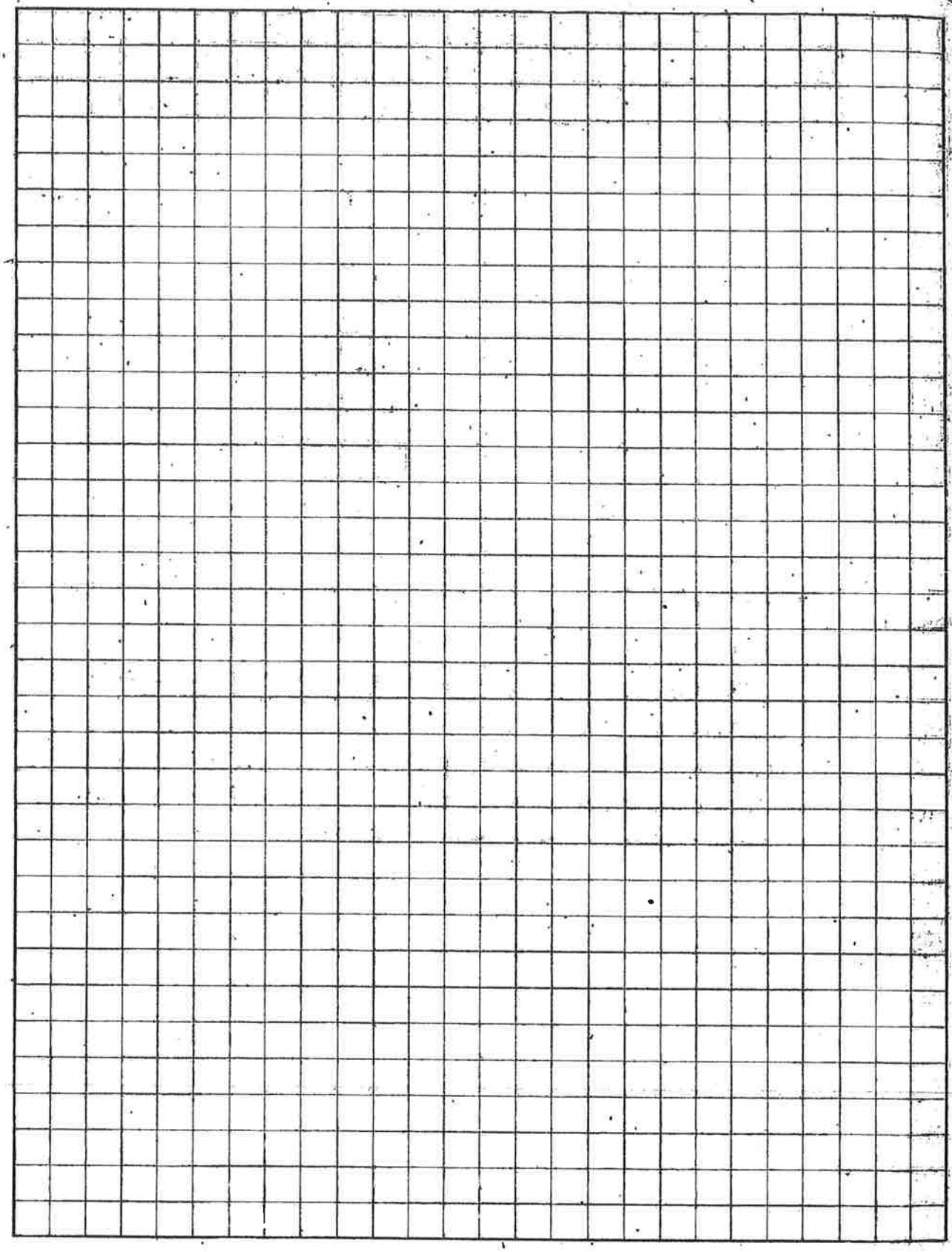
7. Compare fruit-bearing plants and cone-bearing plants.

a. Describe how fruit-bearing plants and cone-bearing plants are the same. Describe how they are different.

b. Answer this question: Suppose you are walking in a park and you see a tree like the one shown above. How would you know whether it is a fruit-bearing tree or a cone-bearing tree?

PLEASE GO ON TO THE NEXT PAGE→

Name _____ Date _____



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STOP!

PE/Health NTI Day 21

All Grades:

PE Fitness Calendar: Check off each day as you complete the task on the calendar. Do each task 3 times per day.

Choose a Tabata Workout and complete it 3 times today. You can choose the same one each time or switch. Use a stopwatch, clock, timer app, or microwave as your timing device.

Grades 3, 4, & 5:
Create your own game and play with your family. Use the worksheet provided to explain your game. Please be clear when describing the rules and instructions. Be sure to include what equipment or other things you used to play.

Please put the time you completed each workout and have a parent/guardian sign below.

Tabata workout 1:
Time completed:_____ Signature:_____

Tabata workout 2:
Time completed:_____ Signature:_____

Tabata workout 3:
Time completed:_____ Signature:_____

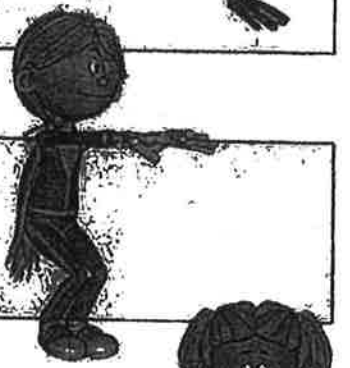
TABATA

1. MOUNTAIN CLIMBERS

10 SEC REST — 20 SEC MOVE

2. SQUATS

10 SEC REST — 20 SEC MOVE



3. SIT-UPS

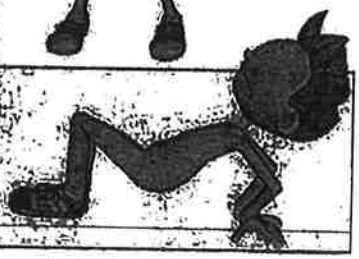
10 SEC REST — 20 SEC MOVE

4. ARM CIRCLES

10 SEC REST — 20 SEC MOVE

5. GROUND DIPS

10 SEC REST — 20 SEC MOVE



6. WALL SIT

10 SEC REST — 20 SEC MOVE

HIGH INTENSITY INTERVAL TRAINING

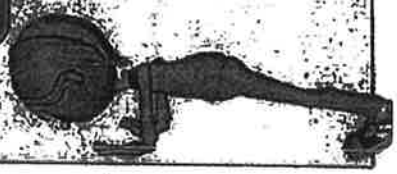
TABATA

1. JUMPING JACKS

10 SEC REST — 20 SEC MOVE

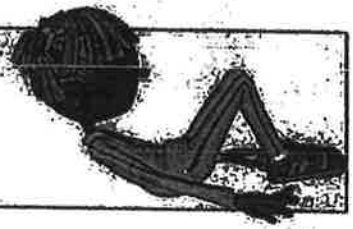
2. PUSH-UPS

10 SEC REST — 20 SEC MOVE



3. CRUNCHES

10 SEC REST — 20 SEC MOVE



4. BURPEES

10 SEC REST — 20 SEC MOVE

5. HIGH KNEES

10 SEC REST — 20 SEC MOVE

6. JOG IN PLACE

10 SEC REST — 20 SEC MOVE

Physical Education NTI Lesson
Create Your Own Game

Directions: Create your own game by coming up with the name of the game, at least three rules of the game and how the game is played.

1. **Name of Your Game:**

   _____

2. **Rules of Your Game:**
   1. _____
   2. _____
   3. _____

3. **Instructions on How the Game is Played:**

   _____

   _____

   _____

   _____

   _____

   _____

   _____

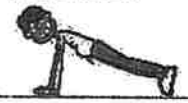
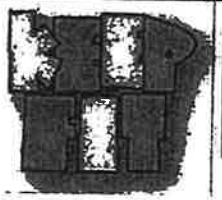
Play Your Game and Have Fun!

Physical Education Fitness Calendar

Directions: Complete each fitness challenge for each day of the month. When you are finished, pass it in to your Physical Education teacher.

Note: if you miss a day, that's ok. Just make up that day on the next day. The idea is to do something active everyday!!!

April 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Student Name: **Parent Signature:** **Classroom Teacher:**			1 Hold a push-ups position while saying the months of the year 3 times. 	2 Skip around the house while you sing the school song. 	3 Crab Walk from the kitchen to your bedroom (Even if it's up or down the stairs!) 	4 **Rest Day**
5 Get some cans of food and do arm curls while a family member or friend counts to 100. Use both arms! 	6 Keep your legs straight while you bend relaxed at the waist. Breathe in and out slowly making your hands reach for the floor. 	7 Do the butterfly stretch while saying out loud 10 words that begin with the letter "J". 	8 Reach up off the floor 15 times. 	9 Do squats while watching 3 commercials on T.V. 	10 **Rest Day**	11 Balance on one foot while a family member or friend sings the ABC song 3 times. 
12 Challenge a family member or friend to a "Mountain Climber To 50" Race. 	13 Pretend to hula hoop while saying the alphabet forwards then backwards. If you have a hula hoop, use it! 	14 Dance to one of your favorite songs. 	15 Do 60 seconds of arm circles. 	16 **Rest Day**	17 Grab one foot and stretch your thigh for 30 seconds. Repeat using the other leg. Then try it with your eyes closed. 	18 Hold a push-ups position while giving a high five to a family member or friend 25 times. 
19 Stand in front of a mirror and flex or move every muscle you can think of. 	20 Get some cans of food and do lunges while a family member or friend sings YOUR THEIR favorite song. 	21 Spell your full name while you jump in the air for each letter. 	22 **Rest Day**	23 Reach and touch your toes while counting to 30. Go slow! Repeat 3 times. 	24 Do 50 side bends. While doing them sing your favorite song out loud. 	25 Challenge a family member or friend to a "jumping jack race to 50" contest. 
26 Do 100 jumping Jacks. 	27 With your back flat against the wall, do the Wall Sit for 60 seconds. 	28 **Rest Day**	29 Make up your own fitness challenge and draw it on the back of this paper.	30 Pick One Of Your Favorite Days And Do It Again!!!		Check off (✓) when you finish each day