

Only complete if you have online access.

4th Grade NTI Checklist for IXL

During our NTI snow days complete the following IXL topics. Try your best to get each topic to an 80% or higher, but be sure to work at least 30 minutes per subject. If you already have a score for that topic, we will look just at your score from our snow break not your previous score. If you master a skill before your 30 minutes are up, you may move on to another related skill. Remember that the program records how much time you spend working.

NTI Day 1

Fourth Grade Math:

B.7 Add 3 or More Numbers up to Millions SMART SCORE _____

Fourth Grade Reading:

H.4 Analyze Short Stories SMART SCORE _____

Parent Signature _____ Date _____

NTI Day 2

Fourth Grade Math:

C.3 Subtract Numbers Up to 100,000: Word Problems SMART SCORE _____

Fourth Grade Reading:

I.1 Read and Understand Informational Passages SMART SCORE _____

Parent Signature _____ Date _____

NTI Day 3

Fourth Grade Math:

D.6 Multiply 1-Digit Numbers by 2-Digit Numbers SMART SCORE _____

Fourth Grade Reading:

AA.1 Find Words Using Context SMART SCORE _____

Parent Signature _____ Date _____

NTI Day 4

Fourth Grade Math:

D.16 Box Multiplication SMART SCORE _____

Fourth Grade Reading:

F.2 Compare and Contrast Characters SMART SCORE _____

Parent Signature _____ Date _____

NTI Day 5

Fourth Grade Math:

D.18 Multiply 2-Digit Number by a 2-Digit Number: Complete the Missing Step SMART SCORE _____

Fourth Grade Reading:

AA.4 Determine the Meaning of Domain-Specific Words with Pictures SMART SCORE _____

Parent Signature _____ Date _____

Only complete if you do not have online access.

Name: _____

Score: _____

NTI Day 1

Addition - 3 Addends

4-digit: S1

$$\begin{array}{r} 1) \quad 2,489 \\ \quad 9,605 \\ + \quad 3,814 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 5,806 \\ \quad 1,068 \\ + \quad 8,320 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 7,957 \\ \quad 6,438 \\ + \quad 4,359 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 1,950 \\ \quad 3,780 \\ + \quad 9,640 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 4,298 \\ \quad 8,562 \\ + \quad 6,073 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 7,053 \\ \quad 3,694 \\ + \quad 5,350 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 1,498 \\ \quad 2,605 \\ + \quad 1,976 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 8,354 \\ \quad 5,879 \\ + \quad 6,261 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 2,006 \\ \quad 2,430 \\ + \quad 4,213 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 9,450 \\ \quad 6,538 \\ + \quad 8,970 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 5,679 \\ \quad 7,215 \\ + \quad 9,351 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 3,097 \\ \quad 4,120 \\ + \quad 2,235 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 7,951 \\ \quad 5,468 \\ + \quad 6,792 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 1,562 \\ \quad 2,384 \\ + \quad 4,079 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 8,504 \\ \quad 6,478 \\ + \quad 3,910 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 5,432 \\ \quad 9,876 \\ + \quad 1,956 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 4,230 \\ \quad 8,970 \\ + \quad 9,460 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 6,904 \\ \quad 7,512 \\ + \quad 3,970 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 2,532 \\ \quad 3,211 \\ + \quad 1,078 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 7,289 \\ \quad 4,945 \\ + \quad 8,769 \\ \hline \end{array}$$

The Monster in the Barn

Bobby was preparing to go to bed one night when he heard a shrill screech coming from the barn outside. What could be making such a loud noise so late in the evening? He had trouble falling asleep and tossed and turned all night long dreaming about the noisy monster in the barn. When Bobby woke the next morning, he ran to the barn to discover what caused the loud noise the night prior. Bobby was baffled. He could not figure out what would make such a noise. That evening after dinner, Bobby gathered his courage, grabbed a flashlight and headed out to the barn.

“Where are you going?” Bobby’s father asked as Bobby made his way through the kitchen to the back door.

“I am going to find the monster in the barn that was making such a commotion last night,” Bobby replied bravely.

“If you are going to look for a monster, you might need some assistance,” Bobby’s dad responded as he walked with Bobby out to the barn.

“What did this monster sound like?” Bobby’s dad asked.

“It was a screeching noise,” Bobby said, “and it was coming from the barn. I know it!”

Bobby’s dad began to chuckle as they approached the barn, and he took the flashlight from Bobby. Shining the flashlight up at the roof of the barn, Bobby and his dad saw a small brown owl in the rafters of the roof.

“It was only a barn owl that you heard last night,” Bobby’s dad said. “They are nocturnal predators so that is why you only heard him at night. He must have been hunting.”

Bobby was relieved that it wasn’t really a monster. He thanked his dad as they walked back to the house. As they reached the door they heard a loud screech and looked up just in time to see the barn owl flying away into the night sky.

- 1) The noise Bobby heard the first night was
 - a. The barn owl flying
 - b. The barn owl screeching
 - c. A monster in the barn
 - d. The barn owl building a nest

0%

100%

Confident

Confident

1.) The word *baffled* means

- a. Scared
- b. Confused
- c. Confident
- d. Shy

0% _____ 100%

Confident _____ Confident

2.) This passage is mostly about

- a. A father and son going hunting
- b. Dreaming of monsters
- c. Discovering the source of a strange sound
- d. Learning about different types of owls

0% _____ 100%

Confident _____ Confident

3.) What word would best describe Bobby after he went to the barn the morning after he heard the screeching noise?

- a. Confused
- b. Confident
- c. Sad
- d. Intelligent

0% _____ 100%

Confident _____ Confident

4.) The first paragraph is mostly about

- a. Bobby's dad telling him what the strange noise is
- b. Bobby hearing a strange noise
- c. Bobby and his dad looking in the barn
- d. Bobby seeing a barn owl

0% _____ 100%

Confident _____ Confident

On a scale between 1 and 10 with 1 being low and 10 being how well did you like this passage?

Didn't Like It At All 1 2 3 4 5 6 7 8 9 10 I Really Liked It

Summarization: Imagine that you have to tell a friend about this story in only two sentences! Can you do it and still include the important parts?

Name : _____

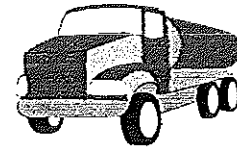
Score : _____

NTI Day 2

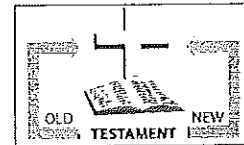
Subtraction

Up to 6-digit: S1

- 1) A large tanker truck can hold upto 11,000 gallons of oil. If the truck already contains 9,365 gallons of oil, how many more gallons of oil will be required to fill the tanker?



- 2) There are 23,145 verses in the old testament of the Bible. The new testament has 7,957 verses. How many fewer verses does the new testament have than the old testament?



- 3) The office operating expenses of a company amount to \$2,340 a month. The previous month the expenses amounted to \$1,985. What is the increase in the expenditure to the company this month?



- 4) In the year 2014, 835,478 participants took part in the Newyork City Marathon. The race had 50,386 finishers. How many participants were unable to complete the marathon?



- 5) Which is the heaviest mammal-Asian elephant or African elephant? The average weight of an Asian elephant is 11,950 pounds and that of an African elephant is 13,220 pounds. What is the difference in weight?



MR. NUSSBAUM

LEARNING + FUN

PENGUINS Reading Comprehension

Description: The emperor penguin is the world's largest and tallest penguin. It is also the heaviest penguin, with some individuals recorded at nearly 100 pounds. Adults have a black head, back, tail, and wings. The underparts are dingy white. The sides of the neck are marked with a large golden or yellow stripe. In addition, there is a varying amount of gold on the upper breast. Like most penguins, the emperor penguin has thick, waterproof feathers that cover the entire body except for the bill and feet. Emperor penguins normally live about 20 years in the wild, though some individuals have been recorded at 40 years of age.

Diet: Crustaceans, krill, and small fish. Emperor penguins will dive to depths of 800 feet in search of food. Most dives last 3–6 minutes.

Predators: Sharks, leopard seals, and orcas. Chicks are vulnerable to predation from south polar skuas.

Range: The Emperor penguin is found throughout the Antarctic perimeter. It is the only species of penguin to breed during the Antarctic winter. Breeding takes place about 60 miles from the coast in the Antarctic interior, where temperatures regularly drop to -40 degrees Celsius. The trek from the Antarctic coastline to the breeding grounds was the inspiration for the movie "March of the Penguins."

Nesting: Female emperor penguins lay a single egg in May or June. After the egg has been laid, the female must immediately feed in the ocean. First, the egg is carefully transported to the male, who incubates the egg under a brood patch that rests above the feet. Occasionally, the transfer is unsuccessful and the egg rolls onto the ice and instantaneously freezes.

The male will incubate the egg for up to 65 days! During this time, he will not eat a single meal. On particularly cold days, hundreds of male penguins may gather together in a compact huddle to warm themselves in the pounding Antarctic winds. In about two months, the female returns and locates her mate and chick by sound. She regurgitates food stored in her stomach to feed the growing chick. The male then takes his turn feeding in the ocean and returns after about a month, at which point both parents tend to the chick by regurgitating food and keeping it off the ice. Once the chick is about seven weeks old, it joins other chicks in a crèche (huddle) to keep warm.

Status: Populations of emperor penguins are thought to be stable. Estimates indicate about 200,000 breeding pairs.

1.) Which of the following animals only preys on penguin chicks?

- a.) orcas
- b.) sharks
- c.) seals
- d.) skuas

2.) Select all of the following that are TRUE.

- a.) After the egg is laid, the male ventures off to the sea first.
- b.) The female locates her chick by sight.
- c.) Both parents will feed chicks by regurgitating food.
- d.) The female locates her chick by sound.

3.) Which of the following scenarios is unlikely?

- a.) Finding an emperor penguin after it has been underwater for 10 minutes
- b.) Finding an orca that has just eaten an emperor penguin
- c.) Finding an emperor penguin that is about 20 years old
- d.) Finding an emperor penguin that weighs 80 pounds

4.) Which of the following is NOT true?

- a.) After the female lays the egg, the male must immediately feed in the ocean.
- b.) Sometimes, the egg transfer from the female to male results in the egg freezing.
- c.) The female lays an egg during the Antarctic winter.
- d.) The male incubates for more than two months without eating

5.) What color is the tail of the emperor penguin?

- a.) white
- b.) yellow
- c.) black
- d.) orange

6.) Where do emperor penguins breed?

- a.) along the coast
- b.) South America
- c.) in the water
- d.) the Antarctic interior

7.) Which of the following is NOT part of the diet of the emperor penguin?

- a.) insects
- b.) krill
- c.) fish
- d.) crustaceans

8.) How many eggs are laid by the female emperor penguin?

- a.) 0
- b.) 2
- c.) 3
- d.) 1

9.) What happens third?

- a.) The egg transfer
- b.) The female feeds in the ocean while the male incubates.
- c.) The male feeds in the ocean while the female tends to the chick.
- d.) The young penguin joins a crèche.

10.) At the end of the passage, a line reads "Populations of emperor penguins are thought to be stable. Estimates indicate about 200,000 breeding pairs." What does stable mean?

- a.) uncertain
- b.) staying the same
- c.) decreasing
- d.) increasing

Name : _____

Score : _____

NTI Day 3

Multiplication

2-digit by 1-digit: S1

$$\begin{array}{r} 1) \quad 87 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 56 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 73 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 76 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 59 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 35 \\ \times \quad 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 92 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 15 \\ \times \quad 8 \\ \hline \end{array}$$

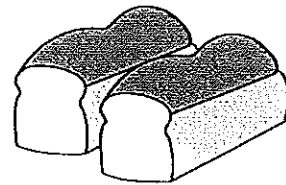
$$\begin{array}{r} 9) \quad 83 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 37 \\ \times \quad 8 \\ \hline \end{array}$$

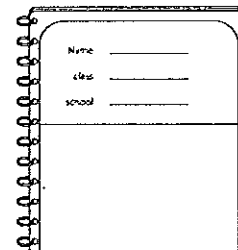
$$\begin{array}{r} 11) \quad 92 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 49 \\ \times \quad 3 \\ \hline \end{array}$$

- 13) Allen sold 45 loaves of white bread. Each loaf costs \$3. How much money did he earn?



- 14) A spiral notebook has 70 pages. How many pages are in 5 spiral notebooks?



Name: _____

Find the Meaning from the Text

“The Velveteen Rabbit” is a story of a stuffed toy that is given to a little boy for Christmas. At first the rabbit is not played with very much. But later, the little boy finds he likes the rabbit best of all. Below is a paragraph from the beginning of the story.

The Velveteen Rabbit *by Margery Williams*

For a long time he lived in the toy cupboard or on the nursery floor. No one thought very much about him. He was **naturally** shy. Being only made of **velveteen**, some of the more **expensive** toys quite **snubbed** him. The mechanical toys were very **superior** and looked down upon everyone else. They were full of modern ideas, and they pretended they were real. The model boat, who had lived through two **seasons** and lost most of his paint, caught the tone from them. He never missed an **opportunity** of **referring** to his rigging in technical terms. The Rabbit could not claim to be a model of anything, for he didn't know that real rabbits existed. He thought they were all stuffed with **sawdust** like himself. He understood that sawdust was quite **out-of-date** and should never be mentioned in modern circles.

Match the Meanings

Write the letter of the word on the right which has almost the same meaning as the word or phrase on the left. Use the words in the text to understand the meaning.

- | | |
|-----------------------|------------------------|
| _____ 1. naturally | A. talking about |
| _____ 2. velveteen | B. chance |
| _____ 3. expensive | C. old fashioned |
| _____ 4. snubbed | D. soft wood chips |
| _____ 5. superior | E. times of the year |
| _____ 6. seasons | F. soft cloth |
| _____ 7. opportunity | G. usually |
| _____ 8. referring to | H. lived |
| _____ 9. technical | I. special knowledge |
| _____ 10. existed | J. ignored |
| _____ 11. sawdust | K. cost a lot of money |
| _____ 12. out-of-date | L. stuck up |

NTI Day 4

Name: _____

Use the area model strategy to solve the following 2 digit multiplication problems. The first example has been done for you.

Multiply the two numbers using the method in the first question as an example

$$24 \times 61 =$$

x	60	1
20	1200	20
4	240	4

$$\begin{array}{r} 1200 \\ 20 \\ 240 \\ + 4 \\ \hline 1464 \end{array}$$

$$65 \times 31 =$$

x		

$$86 \times 52 =$$

x		

$$83 \times 61 =$$

x		

$$79 \times 40 =$$

x		

$$78 \times 42 =$$

x		

$$51 \times 17 =$$

x		

$$34 \times 64 =$$

x		

$$17 \times 36 =$$

x		

$$70 \times 69 =$$

x		

Compare and Contrast Characters

1. Read the passage.

"We've had no fun this week," Marie sighed.

"I know," Bonnie moaned. "Let's do something different tonight."

"Let's camp!" Marie shouted, jumping up.

Bonnie jumped up, too. "Yes!"

"How about in my backyard?" Marie suggested.

"Oh," Bonnie replied, sitting back down. She looked out the window and shuddered. "But it's so dark outside. What about animals? Or getting lost?"

"Don't worry," said Marie. "We'll bring flashlights. And we'll be close to the house."

"Okay! Let's get the tent!" Bonnie exclaimed.

Based on the passage, compare and contrast Marie and Bonnie. Place a check(s) in the box that corresponds with the correct character.

	Bonnie	Marie
Afraid of the Dark		
Excited about Camping		

2. Read the passage.

Jacob measured and mixed the ingredients, poured the brownie batter into a pan, and slid it into the oven. Before long, the scent of chocolate filled the kitchen. Jacob's uncle walked in and sniffed.

"They're all for me, right?" Uncle Ted asked.

Jacob laughed. "I might let you have *one*," Jacob teased. Uncle Ted chuckled and rubbed his stomach. When the timer buzzed, Jacob pulled the pan out. The brownies looked perfect.

"Not bad, huh? My first time, too," he said.

Based on the passage, compare and contrast Jacob and Uncle Ted. Place a check(s) in the box that corresponds with the correct character.

	Jacob	Uncle Ted
Proud		
Playful		

3. Read the passage.

Keith was selling candy to raise money for the school library. He'd already raised sixty-two dollars. All he needed was eight more dollars to reach his goal! He could barely contain his excitement as he ran to Mr. Palmer's door.

The door flew open. Mr. Palmer said, "Oh! Hello. I was expecting the delivery man with my cake." Then he saw Keith's candy. "Candy!" he exclaimed. "Well, that sounds pretty good, too!"

Based on the passage, compare and contrast Keith and Mr. Palmer. Place a check(s) in the box that corresponds with the correct character.

	Keith	Mr. Palmer
Eager		
Fond of Sweet Things		

4. Read the passage.

"What's that?" Jim asked, pointing at a big green insect on the sidewalk.
 "Weird," his cousin Ben said. "Don't touch! It could be poisonous. Or maybe it's a magic beetle, like in that movie! Wow, what *is* it? Do you think it flew here from another planet? Quick, take a picture before it flies back to space!"

Jim pulled out his phone and snapped a picture. Later, he'd consult his insect guide for a real answer.

Based on the passage, compare and contrast Jim and Ben. Place a check(s) in the box that corresponds with the correct character.

	Jim	Ben
Imaginative		
Curious		

5. Read the passage.

The ocean was a clear, sparkling blue, stretching as far as Nolan could see. He tried to imagine what it would be like under the water.
 Ronna helped him strap on his air tank. Nolan didn't expect it to be so heavy and almost fell backward.

Steadying himself, he asked, "Are there turtles? I can't wait to see turtles."
 "Just follow my lead," Ronna said, grinning. "I know all the good spots. I can't wait to show you!" she exclaimed.

Based on the passage, compare and contrast Nolan and Ronna. Place a check(s) in the box that corresponds with the correct character.

	Nolan	Ronna
Excited		
An Experienced Scuba Diver		

6. Read the passage.

There it was again! Cassie pressed her ear against the wall and listened. *Scrape-scrape-scrape*. A chill ran down her spine. What was that noise? She wished she hadn't agreed to babysit Gordon.

"Could you see what that is?" Gordon asked. Gordon hugged himself and shut his eyes.
 Cassie took a deep breath and threw open the kitchen door. *Scrape-scrape-scrape*. Gordon's dog, Scooter, was pushing his empty food dish across the tile floor.
 Cassie chuckled, then fed Scooter.

Based on the passage, compare and contrast Cassie and Gordon. Place a check(s) in the box that corresponds with the correct character.

	Cassie	Gordon
Brave		
Uneasy		

2-Digit by 2-Digit Multiplication (A)

Name: _____

Date: _____

Calculate each product.

$$\begin{array}{r} 44 \\ \times 46 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ \times 19 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ \times 49 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 90 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ \times 16 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ \times 55 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 63 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ \times 41 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ \times 56 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 77 \\ \times 88 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ \times 84 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ \times 18 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ \times 25 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ \times 30 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ \times 57 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ \times 51 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ \times 45 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ \times 92 \\ \hline \end{array}$$

Score: /20

Determining Meaning Using Content

Reading and Comprehension

DIRECTIONS: Read the passage and answer the questions that follow.

Snakes

How much do you know about snakes? Read these snake facts and find out.

- A snake skeleton has numerous ribs. A large snake may have as many as 400 pairs!
- Most snakes have poor eyesight. They track other animals by sensing their body heat.
- Snakes can't blink! They sleep with their eyes open.
- Although all snakes have teeth, very few of them—only the venomous ones—have fangs.
- Many snakes are very docile and unlikely to bite people.
- Pet snakes recognize their owners by smell. They flick their tongues in the air to detect smells.
- Snakes have special ways of hearing. Sound vibrations in the ground pass through their bellies to receptors in their spines. Airborne sounds pass through snakes' lungs to receptors in their skin.

1. *Numerous* means about the same as _____.

- (A) number
- (B) many
- (C) few
- (D) special

2. In this passage, *poor* means the opposite of _____.

- (F) rich
- (G) good
- (H) happy
- (J) broke

3. What does *track* mean as it is used in this passage?

- (A) the rails on which a train moves
- (B) a sport that includes running, jumping, and throwing
- (C) to follow the footprints of
- (D) to find and follow

4. What does the word *venomous* mean as it is used in this passage?

- (F) vicious
- (G) sharp
- (H) poisonous
- (J) huge

5. Which word means the opposite of *docile*?

- (A) vicious
- (B) shy
- (C) gentle
- (D) active

6. Which word means the same as *detect*?

- (F) enjoy
- (G) arrest
- (H) find
- (J) hide

7. A receptor _____ something.

- (A) throws
- (B) takes in
- (C) gives
- (D) sees

8. Airborne sounds are _____.

- (F) carried through the air
- (G) carried through the earth
- (H) always made by wind
- (J) louder than other sounds



