

NTI

Day 1

4th grade NTI Day 1 Kentucky Academic Standards

Reading RI.4.1 Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.

Math KY.4.NBT.4 Fluently add and subtract multi-digit whole numbers using an algorithm.

Fourth Grade Reading Day 1

1. Read the text.

Not everyone likes to cook or even has the time to do so. Engineers in Britain have developed a robot that can make a meal. The robot is able to imitate the movements of human hands as a result of several different motors and sensors. Because it can also be programmed with daily directions, it can have breakfast or dinner ready just when you want it.

Match causes with their effects.

The robot can make meals
whenever you want them.

The robot can move like a person.

Cause

Effect

The robot has special motors and sensors.

The robot can be programmed with directions.

2. Read the text.

Studies have found that many children are not well rested. Of course, some children are simply staying up too late. One way to prevent this is to have children go to bed earlier. Yet there is another issue. Some children are not sleeping well because they use their tablets and phones right before bed. These devices put out light that keeps people awake, making it hard to both fall asleep and stay asleep. To improve sleep, experts say children should stop looking at screens at least thirty minutes before bedtime.

Match the problems with their solutions.

Children aren't getting enough sleep.

Children are sleeping poorly.

Problem

Solution

Children can go to bed earlier.

Children can stop using devices half an hour before bed.

3. Read the text.

A black hole is a place in space where gravity is so strong that no light can escape. Most black holes are formed when the center of a very large star collapses. Because the matter of the star is pressed into a tiny space, it becomes very dense. As a result, it has a very strong pull, or gravity. No light can get out, so a black hole cannot be found without special instruments.

Which text structure does the text use?

cause-effect

compare-contrast

Find place value patterns in the tens.

1 $201 + 109 =$ _____ **2** $1,201 + 109 =$ _____ **3** $2,201 + 109 =$ _____

4 $202 + 109 =$ _____ **5** $1,202 + 109 =$ _____ **6** $2,202 + 109 =$ _____

7 $203 + 109 =$ _____ **8** $1,203 + 109 =$ _____ **9** $2,203 + 109 =$ _____

10 $204 + 109 =$ _____ **11** $1,204 + 109 =$ _____ **12** $2,204 + 109 =$ _____

1
$$\begin{array}{r} 1,325 \\ + 25 \\ \hline \end{array}$$

2
$$\begin{array}{r} 1,326 \\ + 25 \\ \hline \end{array}$$

3
$$\begin{array}{r} 1,327 \\ + 25 \\ \hline \end{array}$$

4
$$\begin{array}{r} 1,325 \\ + 125 \\ \hline \end{array}$$

5
$$\begin{array}{r} 1,326 \\ + 125 \\ \hline \end{array}$$

6
$$\begin{array}{r} 1,327 \\ + 125 \\ \hline \end{array}$$

7
$$\begin{array}{r} 1,326 \\ + 126 \\ \hline \end{array}$$

8
$$\begin{array}{r} 1,327 \\ + 126 \\ \hline \end{array}$$

9
$$\begin{array}{r} 1,328 \\ + 126 \\ \hline \end{array}$$

Describe a pattern you see in one of the sets of problems above.

Add within 100,000.

Form B

$$\begin{array}{r} \text{1} \quad 10,943 \\ + 2,035 \\ \hline \end{array}$$

$$\begin{array}{r} \text{2} \quad 17,342 \\ + 1,340 \\ \hline \end{array}$$

$$\begin{array}{r} \text{3} \quad 12,453 \\ + 20,143 \\ \hline \end{array}$$

$$\begin{array}{r} \text{4} \quad 61,238 \\ + 24,501 \\ \hline \end{array}$$

$$\begin{array}{r} \text{5} \quad 34,210 \\ + 1,399 \\ \hline \end{array}$$

$$\begin{array}{r} \text{6} \quad 72,643 \\ + 8,142 \\ \hline \end{array}$$

$$\begin{array}{r} \text{7} \quad 15,920 \\ + 63,254 \\ \hline \end{array}$$

$$\begin{array}{r} \text{8} \quad 45,806 \\ + 54,159 \\ \hline \end{array}$$

$$\begin{array}{r} \text{9} \quad 94,627 \\ + 987 \\ \hline \end{array}$$

$$\begin{array}{r} \text{10} \quad 68,254 \\ + 2,438 \\ \hline \end{array}$$

$$\begin{array}{r} \text{11} \quad 26,513 \\ + 25,974 \\ \hline \end{array}$$

$$\begin{array}{r} \text{12} \quad 21,942 \\ + 38,657 \\ \hline \end{array}$$

$$\begin{array}{r} \text{13} \quad 23,658 \\ + 8,467 \\ \hline \end{array}$$

$$\begin{array}{r} \text{14} \quad 47,652 \\ + 27,836 \\ \hline \end{array}$$

$$\begin{array}{r} \text{15} \quad 29,999 \\ + 3,999 \\ \hline \end{array}$$

$$\begin{array}{r} \text{16} \quad 84,316 \\ + 15,684 \\ \hline \end{array}$$

$$\begin{array}{r} \text{17} \quad 74,895 \\ + 16,395 \\ \hline \end{array}$$

$$\begin{array}{r} \text{18} \quad 57,918 \\ + 25,896 \\ \hline \end{array}$$

$$\begin{array}{r} \text{19} \quad 42,968 \\ + 20,947 \\ \hline \end{array}$$

$$\begin{array}{r} \text{20} \quad 45,163 \\ + 27,989 \\ \hline \end{array}$$