

Incoming 5th Graders

2025 Summer Assignments

Reading Assignments:

- Read *Dear Mr. Henshaw* by Beverly Cleary and complete the assignment (attached).
- Read *Wonder* by R.J. Palacio and complete the assignment (attached).

English Assignment:

- Edit five subject area paragraphs using the checklist (attached).

Math Assignment:

- Complete the attached packet. This work aligns with the curriculum you have been working on in fourth grade.
- Rote multiplications - work on knowing your facts 0-10 automatically.

****All completed work is due on the first day of school! 😊**

Dear Mr. Henshaw: Friendly Letter Project

This summer you will practice writing a friendly letter. You may choose to write to your favorite author as the main character in *Dear Mr. Henshaw* did or you can choose to write to a family member or 4th grade friend. You will send him or her a letter; if you would like to send more than one, please feel free to do so. Please keep any letters you receive in return to bring with you to school in September, along with a copy of your original letter. In your letters, you should discuss your thoughts about the book *Dear Mr. Henshaw*. Please remember not to give away the ending of the book unless you are POSITIVE that your pen pal has also finished his or her reading. You can also talk about your summer or any other personal details or stories you would like to share. Please follow the checklist below to make sure that you have completed all of the tasks necessary in this project. I have also included a rubric for you so that you can see how you will be graded in September.

Assignment Checklist:

- ☐ I understand the friendly letter format.
- ☐ I am reading *Dear Mr. Henshaw* by Beverly Cleary and plan to finish the book by summer's end.
- ☐ I have written a well-edited three paragraph friendly letter to my pen pal, checked it over using my rubric, and sent it out.
- ☐ I have made a copy of this letter for myself and put it in a safe place.
- ☐ I have put any letters I have received from my pen pal in a safe place.
- ☐ I am ready to hand in all of my letters, both sent and received, to my teacher on the first day of school.

Dear Mr. Henshaw Pen Pal Project Rubric

Category	4 pts	3 pts	2 pts	1 pt
Format	Your letter matches all requirements of the friendly letter format. It contains three complete paragraphs: an introduction, a body, and a conclusion.	Your letter matches most of the requirements of the friendly letter format. It contains three complete paragraphs: an introduction, a body, and a conclusion.	Your letter matches 50% of the requirements of the friendly letter format. It contains three paragraphs, some of which are incomplete: an introduction, a body, and a conclusion.	Your letter matches less than 50% of the requirements of the friendly letter format. It does not contain three complete paragraphs and may be missing an introduction, body, and/or conclusion.
Ideas	Ideas were expressed in a clear and organized fashion. It was easy to understand your ideas and main points.	Ideas were expressed in a fairly clear manner, but the organization could have been better.	Ideas were somewhat organized, but they were not very clear. It took more than one reading to figure out what the letter was about.	The letter seemed to be a collection of unrelated sentences. It was very difficult to figure out what the letter was about.
Details	Several specific details support the points the writing makes and demonstrates a further understanding of the letter's topic. The book was referenced well.	Specific details support the points of the writer and demonstrate an understanding of the letter's topic. The book was referenced.	Details support the points of the writer but do not always help make the meaning clear to the reader. It is unclear whether the book was specifically referenced.	Details are few, and they do not tie into the topic. The book was not referenced.
Sentences	All sentences are complete, well-constructed (no fragments or run-ons), and of varied structure.	All sentences are complete and well-constructed (no fragments or run-ons).	Most sentences are complete and well-constructed.	There are many sentence fragments or run-on sentences.

Editing	Writer makes no errors in spelling, capitalization, or punctuation.	Writer makes 1-2 errors in spelling, capitalization, or punctuation.	Writer makes 3-4 errors in spelling, capitalization, and punctuation.	Writer makes more than 4 errors in spelling, capitalization, and punctuation.
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Wonder: Character Analysis Project

This summer, you will be reading *Wonder* by R.J. Palacio, and completing a 2-part project.

Part I:

All students will be constructing a poster comparing and contrasting themselves with one of the main characters from *Wonder*. On one half of the poster, you will illustrate a picture of one of the main characters from the book and surround the illustration with adjectives and descriptive phrases that fit this character. Focus primarily on their internal character traits, not their external traits. On the other half of the poster, you will illustrate a picture of yourself, also surrounded by adjectives and descriptive phrases that match your own character. Both your name and the character's name should be prominently featured on their halves of the poster. The poster should be very carefully decorated with attention to detail, and your writing should be clear and neat. Please use any color of 22" by 28" poster board. Check over the attached rubric carefully to make sure that you earn the best grade possible.

Part II:

All students will be writing a paragraph answering the following question: *How does the main character you chose change throughout the book?*

Please remember that your paragraph should include a topic sentence, as well as detailed evidence from the book to support your argument. It should be 8-10 sentences long and should be in the present

tense. All paragraphs should also demonstrate careful attention to spelling, punctuation, and grammar.

Assignment Checklist:

Poster

- ☐ I have carefully read *Wonder* by R. J. Palacio
- ☐ I have taken notes on the character's traits and how he/she changed from the beginning to the end.
- ☐ I have creatively designed and decorated my poster board.
- ☐ I have checked over my rubric (attached).

Paragraph

- ☐ I have looked back at the book and any notes I made.
- ☐ I have come up with an argument and created a topic sentence.
- ☐ I included at least three detailed pieces of evidence.
- ☐ I have typed up my paragraph.
- ☐ I proofread and made sure that the paragraph is final draft quality.

Wonder Character-Self Comparison Poster Rubric

Character Side:

Illustration _____/10

Your illustration is neatly done and complete. You have been creative and accurate to the story. A portrait is fine, and careful attention to detail is evident.

Description _____/10

Your descriptions accurately reflect the character's traits as described in the book. You have used appropriate supporting detail. You have carefully proofread your work, paying close attention to spelling, punctuation, and grammar.

Self Side:

Illustration _____/10

Your illustration is neatly done and complete. You have been creative and accurate to the story. A portrait is fine, and careful attention to detail is evident.

Description _____/10

Your descriptions accurately reflect the character's traits as described in the book. You have used appropriate supporting detail. You have carefully proofread your work, paying close attention to spelling, punctuation, and grammar.

Presentation _____/10

You have been creative while assuring that all information is legible. The board is evenly split between the character and yourself. The character's name and your name are prominently placed on your poster. You have used the correct size poster board, and your well-chosen decorations have left little white space.

Total _____/50

Wonder Character Change Paragraph Rubric

Topic Sentence _____/10

You make a clear point, and present it in your topic sentence.

Evidence _____/20

Your evidence is accurate to the character's traits as described in the book. It is clear that you have looked back in the book and given detailed descriptions of the character's traits and changes.

You have given enough evidence to support your claim (at least 3 examples). Your evidence clearly ties back to your topic sentence and the point you are trying to make.

Spelling/Proofreading _____/10

You have clearly pre-edited your work to ensure that your descriptions are proofread and grammatically correct.

Grammar _____/10

Your paragraph is in the present tense. Your sentences are clear and grammatically correct.

Total _____/50

English Assignment: Paragraph Editing

Directions: Please carefully read over the following five paragraphs. Each contains TWELVE (12) mistakes. Please fix the errors carefully. For extra guidance, please refer to the editing checklist (attached). Remember to watch for spelling mistakes! Bring in your completed work on the first day of school.

Paragraph One: Science

have you ever wondered y magnets are able to push, or pull certain objects! Magnets. Are made from steel or mixtures of iron and other metals. Magnets attract to push or pull other charged metals. Iron steel cobalt and nickel are all charged metals. This means that if a large magnet was placed above a steel car it would attract it. Junkyards uses powerful electromagnets to move heavy metal objects from place to place. Magnets may be common, but their very important:

Paragraph Two: Geography

The continent of antartica is a land of extemes? It is located farther south than any of the other 6 continents it includes the geographic South Pole. Although 98 percent of Antarctica is covered with ice, this icy continent actually boasts the world's largest dessert. That is becuae a desert is defined as an area that recieves less than ten inches of rain each year, Antarctica gets only about 2 inches of rain each year, so there r almost no plants or animals there. Though no humans live they're permanently, some scientists spend time on Antarctica in research bases.

Paragraph Three: History

Have you ever read the book Lady Liberty by Doreen Rappaport! It tells all about the history of one of our greatest national symbols. On July 4 1884, France presented the United States with an incredible birthday gift: the Statue of Liberty! Without its pedestal it is as tall as a fifteen-story building. She represents the United States, but the world-famous statue of Liberty standing in the New York Harbor was built in France. The statue was presented to the US, taken apart, shipped across the Atlantic ocean in crates, and rebuilt here in our country. It was France's gift to the American people. Finally, in 1886, the statue was dedicated.

Paragraph Four: Religion

One day a leper came to Jesus and begged to be healed? Feeling sorry for him, Jesus stretched out his hand and touched him. Blessing him, Jesus healed the man, Jesus told the man to go in peace. To show only the holy men of the city. That he had been healed. The man went away and began to tell every one about the miracle that he had experienced. Soon many people began to come to Jesus to ask to be healed. Jesus performed many miracles, which caused many people to believe.

Paragraph Five: Math

Math may not be your favorite subject, but is something that we all must use every single day. Without math, computers and cell phones would not work. Whether you know it or not, math is all around you. You do not need to be a scientist to use math. Teachers, bankers, writers and chefs all use math in their jobs as well. Your parents depend on the math facts they learned in elementary school to figure out a family budget, go shopping, and make dinner. So even if you find math boring, you should probably pay attention. You never know when you're going to need it!

Editing Checklist for Incoming Fifth Grade

- ☐ First letter of first and last names capitalized
- ☐ Capital letter to begin each sentence
- ☐ Correct punctuation at the end of each sentence
- ☐ Capitalization of all proper nouns (people, places, things)
- ☐ Indent new paragraphs
- ☐ Commas used in a series
- ☐ All sentences contain a clear 'who' and 'what'- no fragments
- ☐ Numbers nine and below written out
- ☐ Correct spelling
- ☐ Correct use of homophones
- ☐ Subject-verb agreement

Test Title: **envmath_4_13-16_OCBA**

Student Name:

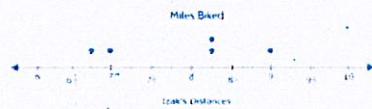
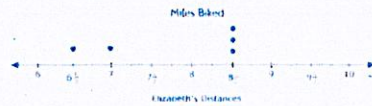
Date :

Question 1

Elizabeth and Izak record the number of miles they bike each day.

The line plots show the distances they each biked for 5 days.

How much greater was the shortest distance Izak biked than the shortest distance Elizabeth biked in one day?



☐ $\frac{1}{4}$ mile

☐ $\frac{1}{2}$ mile

☐ $1\frac{1}{4}$ miles

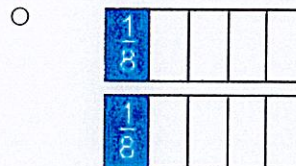
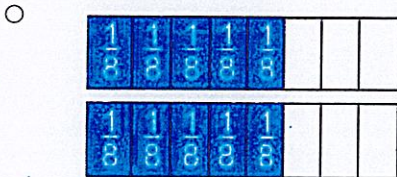
☐ $1\frac{1}{2}$ miles

Question 2a

Find $2 \times \frac{5}{8}$.

Part A

Which fraction strips can you use to find $2 \times \frac{5}{8}$?



Question 2b

Part B

What is $2 \times \frac{5}{8}$?

☐ $\frac{5}{16}$

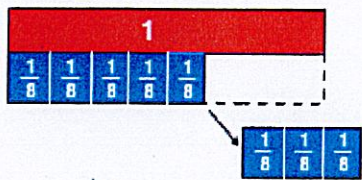
☐ $1\frac{1}{4}$

☐ $1\frac{3}{8}$

☐ $2\frac{5}{8}$

Question 3

What subtraction problem did Alicia show using the fraction strips below?



☐ $1 - \frac{3}{5} = \frac{3}{5}$

☐ $\frac{5}{8} - \frac{3}{8} = \frac{2}{8}$

☐ $\frac{8}{8} - \frac{3}{8} = \frac{5}{8}$

☐ $1\frac{5}{8} - \frac{3}{8} = 1\frac{2}{8}$

Question 4

Michael compares two amounts of money.

$$\$42.32 < \$43.25$$

Is the comparison correct? Explain.

- | | |
|----------------------------------------------------------------|----------------------------------------------------|
| <input type="radio"/> Yes; because $32\text{¢} > 25\text{¢}$. | <input type="radio"/> Yes; because $\$42 < \43 . |
| <input type="radio"/> No; because $32\text{¢} > 25\text{¢}$. | <input type="radio"/> No; because $\$42 < \43 . |

Question 5a

Kristen buys a puzzle collection for \$27.83. She pays with one \$20 bill and two \$5 bills.

Part A

Using the least number of coins and bills, what is Kristen's change?

- ☐ Two \$1 bills, 2 dimes
- ☐ Two \$1 bills, 1 dime, 1 nickel, 2 pennies
- ☐ One \$1 bill, 3 quarters, 2 dimes, 3 nickel, 2 pennies
- ☐ Three \$1 bills, 2 nickels, 7 pennies

Question 5b**Part B**

If she instead pays with one \$20 bill and one \$10 bill, how will the change she receives be different?

- ☐ She will receive one \$5 bill as well.
- ☐ There will be no difference in the change she receives.
- ☐ She will receive no coins in her change, only bills.
- ☐ She will receive no bills in her change, only coins.

Question 6

Five friends plan to knit a scarf. They want the scarf to be 4 feet long. So far, they have completed $2\frac{7}{12}$ feet.

Which shows the fractions of the scarf each friend could knit to finish the scarf?

☐ $\frac{1}{12} + \frac{2}{12} + \frac{3}{12} + \frac{8}{12} + \frac{4}{12}$

☐ $\frac{1}{12} + \frac{6}{12} + \frac{3}{12} + \frac{2}{12} + \frac{4}{12}$

☐ $\frac{2}{12} + \frac{3}{12} + \frac{3}{12} + \frac{2}{12} + \frac{5}{12}$

☐ $\frac{5}{12} + \frac{1}{12} + \frac{4}{12} + \frac{2}{12} + \frac{5}{12}$

Question 7a**Part A**

Select all the expressions that represent the following:

Mary swam $\frac{3}{4}$ mile each day for 8 days.

☐ $8 \times \frac{1}{4}$

☐ $8 \times \frac{3}{4}$

☐ $8 + \frac{1}{4}$

☐ $8 + \frac{3}{4}$

☐ $\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4}$

Question 7b

Part B

Use an expression identified in **Part A** to find how many miles Mary swam in all. Enter your answer in the box.

miles

Question 8

Richard needed to read 5 books for his summer reading assignment. It took him $4\frac{5}{8}$ hours to read the first 2 books.

It took him $7\frac{7}{8}$ hours to read the next two books, and it took him $2\frac{7}{8}$ hours to read the last book.

How long did it take Richard to read all 5 books?

☐ $13\frac{4}{8}$ hours

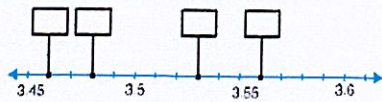
☐ $15\frac{6}{8}$ hours

☐ $15\frac{3}{8}$ hours

☐ $16\frac{6}{8}$ hours

Question 9

Which list of numbers could be used to name each point plotted on the number line?



- ☐ 3.48, 3.45, 3.50, 3.56
- ☐ 3.59, 3.51, 3.61, 3.46
- ☐ 3.53, 3.51, 3.64, 3.55
- ☐ 3.46, 3.56, 3.53, 3.48

Question 10

Last week, Jeffrey kept track of the time he spent doing homework.

On Monday, he spent 1 hour 15 minutes doing math homework and 37 minutes doing reading homework.

On Wednesday, he spent 2 hours 18 minutes on a science report.

How long did Jeffrey spend doing homework last week?

- ☐ 3 hours 10 minutes
- ☐ 3 hours 50 minutes
- ☐ 4 hours 10 minutes
- ☐ 5 hours 10 minutes

Question 11

Lonnie measures an object's mass in kilograms.

Which of the following objects is he most likely measuring?

- ☐ An apple
- ☐ A bicycle
- ☐ A paper clip
- ☐ A pencil

Question 12a

Dino has 7 boards that he is using for a project. Each board is 2 yards long.

Part A

How can Dino find the length in feet of one board?

☐

Since there are 12 feet in a yard, he can multiply 2 by 12.

☐

Since there are 3 feet in a yard, he can multiply 2 by 3.

☐

Since there are 3 feet in a yard, he can multiply 2 by 7.

☐

Since there are 12 feet in a yard, he can multiply 2 by 7.

Question 12b

Part B

How many feet of boards does Dino have in all?

Enter your answer in the box.

feet

Question 13a

Part A

Which figure has exactly one line of symmetry?



Rhombus



Pentagon



Rectangle



Triangle

- ☐ Rhombus
- ☐ Pentagon
- ☐ Rectangle
- ☐ Triangle

Question 13b

Part B

From **Part A**, which figure has the most lines of symmetry?

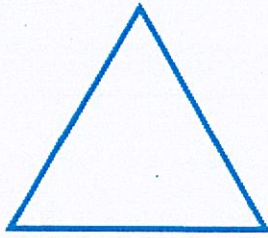
- ☐ Pentagon
- ☐ Triangle
- ☐ Rhombus
- ☐ Rectangle

Question 14a

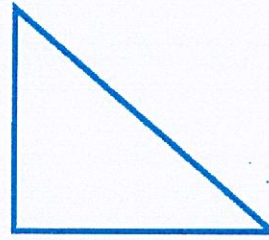
Part A

Which triangle is an obtuse triangle?

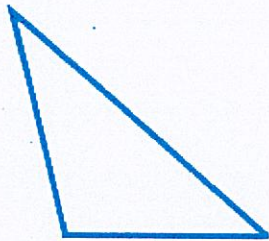
☐



☐



☐



☐



Question 14b

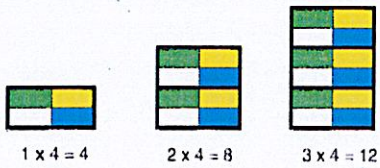
Part B

Which type of triangle is shown the most in the answer choices of **Part A**?

- ☐ Right triangle
- ☐ Acute triangle
- ☐ Equilateral triangle
- ☐ Obtuse triangle

Question 15a

Audrey and her mother are making quilted wall hangings using the pattern shown.

**Part A**

Complete the table showing the number of quilt pieces needed for each wall hanging size if the pattern shown continues. Enter your answers in the boxes.

Wall Hanging Size	Quilt Pieces
5	<input type="text"/>
7	28
10	<input type="text"/>
12	<input type="text"/>

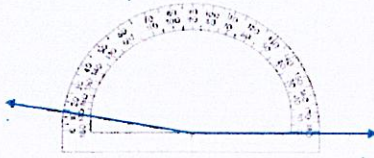
Question 15b**Part B**

Write the pattern for the number of quilt pieces needed in words. Select all that apply.

- ☐ The number of quilt pieces increases by 1 for the first 3 sizes and then by 2 for the next 4 sizes.
- ☐ The number of quilt pieces needed is 2 more than the previous wall hanging size.
- ☐ The number of quilt pieces needed is 4 more than the previous wall hanging size.
- ☐ The number of quilt pieces needed is 3 times the size of the wall hanging.
- ☐ The number of quilt pieces needed is 4 times the size of the wall hanging.

Question 16

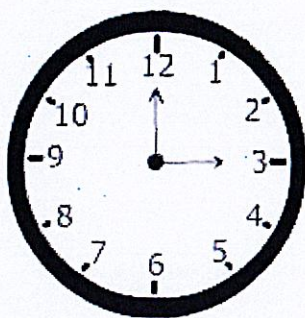
Which is the measure of the angle shown on the protractor? What type of angle is this?



- ☐ 10°; acute
- ☐ 20°; obtuse
- ☐ 160°; acute
- ☐ 170°; obtuse

Question 17

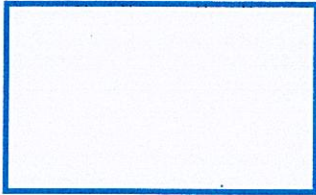
What is the measure of the smaller angle formed by the hands of the clock?



- ☐ 45°
- ☐ 90°
- ☐ 180°
- ☐ 360°

Question 18

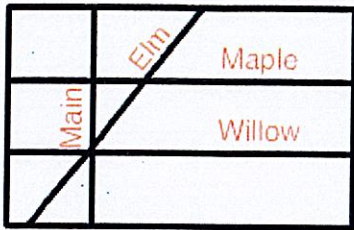
What are all the names that could be used for the shape below? Explain.



- ☐ Quadrilateral, parallelogram; The shape has four parallel sides of different lengths.
- ☐ Quadrilateral, parallelogram, trapezoid; The shape has four parallel sides and one pair of sides of equal length.
- ☐ Quadrilateral, parallelogram, rectangle; The shape has four parallel sides, with opposite sides having the same length, and all of its angles are right angles.
- ☐ Quadrilateral, parallelogram, rhombus, rectangle; The shape has four parallel sides of the same length, and all of its angles are right angles.

Question 19

Which streets on the map appear to be perpendicular to each other?



- ☐ Maple and Willow
- ☐ Elm and Willow
- ☐ Main and Elm
- ☐ Main and Maple

Question 20

George wanted to measure the angle of a water slide at the lake. He used a sheet of folded paper that formed a 20° angle.

He measured and found that three of the folded paper angles would fit in the angle made by the slide and the ground.

What was the angle of the water slide? Write an equation modeling George's work.

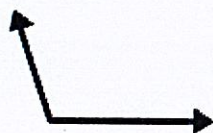
- ☐ $180 - 3 \times 20 = 120^\circ$
- ☐ $4 \times 20 = 80^\circ$
- ☐ $3 \times 20 = 60^\circ$
- ☐ $4 \times 20 - 3 \times 20 = 20^\circ$

Question 21a

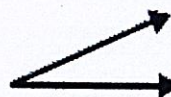
Part A

Which angle is obtuse?

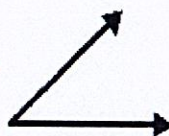
☐



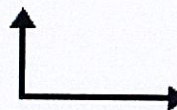
☐



☐



☐



Question 21b

Part B

Which of the following does **NOT** describe an angle in the choices for **Part A**?

- ☐ Acute angle
- ☐ Right angle
- ☐ Obtuse angle
- ☐ Straight angle

Question 30b

Part B

Write an equation for the pattern in **Part A**. Use k for the number of key chains and g for the number of green beads.

☐ $k \times g = 8$

☐ $9 \times g = k$

☐ $8 \times k = g$

☐ $13 \times k = g$

Question 30a

Johnny is making key chains. He uses 8 green beads for each key chain.

Part A

How many green beads will he need to make 9 key chains? 13 key chains?

Enter your answers in the boxes.

Key Chains	Green Beads
2	16
5	40
9	<input type="text"/>
12	96
13	<input type="text"/>

Question 29

The first number in a pattern is 5. The pattern follows the rule "Add 2, then multiply by 3." Which of the following shows the next 3 numbers in the pattern?

- ☐ 9, 71, 58
- ☐ 15, 45, 135
- ☐ 16, 58, 122
- ☐ 21, 69, 213

Question 28

Trent knows that 1 pint equals 16 fluid ounces. His punch recipe calls for 3 pints of pineapple juice. How many fluid ounces of pineapple juice does Trent need?

- ☐ 3 ounces
- ☐ 16 ounces
- ☐ 32 ounces
- ☐ 48 ounces

Question 27

Rodney says that he can draw two rectangles that have the same areas but different perimeters.

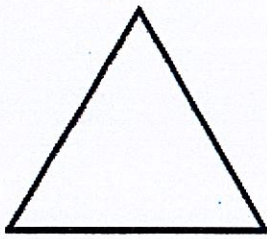
Which of the following pairs of rectangles could Rodney draw?

Select all that apply.

- ☐ A rectangle with side lengths 4 cm and 6 cm and a rectangle with side lengths 2 cm and 12 cm
- ☐ A rectangle with side lengths 4 cm and 6 cm and a rectangle with side lengths 2 cm and 8 cm
- ☐ A rectangle with side lengths 3 cm and 6 cm and a rectangle with side lengths 2 cm and 9 cm
- ☐ A rectangle with side lengths 5 cm and 6 cm and a rectangle with side lengths 2 cm and 9 cm
- ☐ A rectangle with side lengths 5 cm and 4 cm and a rectangle with side lengths 2 cm and 7 cm

Question 26

How many lines of symmetry does an equilateral triangle have?



- ☐ 1
- ☐ 2
- ☐ 3

Question 25b

Part B

If he eats half of the total, how much did he eat?

- ☐ 2 pounds 4 ounces
- ☐ 1 pound 8 ounces
- ☐ 1 pound 4 ounces
- ☐ 4 pounds 1 ounce

Question 25a

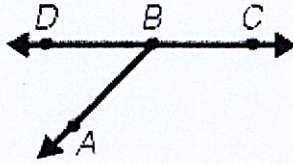
Part A

Samuel bought an 8-ounce bag of lettuce and two 1-pound bags of carrots. Which is the total weight of the lettuce and carrots in ounces?

- ☐ 10 ounces
- ☐ 12 ounces
- ☐ 40 ounces
- ☐ 72 ounces

Question 24

$\angle ABC$ measures 146° . Which equation gives the measure of $\angle ABD$?



- ☐ $180^\circ - 146^\circ = 34^\circ$
- ☐ $90^\circ - 46^\circ = 44^\circ$
- ☐ $180^\circ - 46^\circ = 134^\circ$
- ☐ $90^\circ \times 2 = 180^\circ$

Question 23c

Part C

What is the area of the rectangle?

square inches

Question 23b

Part B

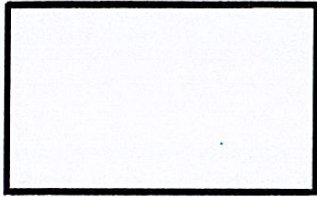
How can the area of a rectangle be found?

- ☐ Multiply its length by its width.
- ☐ Add two times its length and two times its width.
- ☐ Divide its perimeter by 2.
- ☐ Find the difference between its length and its width.

Question 23a

The perimeter of the rectangle shown below is 20 inches.

6 in.



Part A

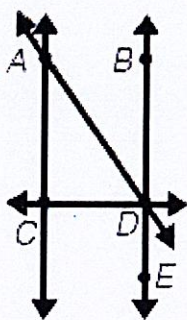
The length of the rectangle is 6 inches. What is the width?

Enter your answer in the box.

inches

Question 22

Which angle below is an obtuse angle?



- ☐ $\angle ADB$
- ☐ $\angle ACD$
- ☐ $\angle ADC$
- ☐ $\angle ADE$