



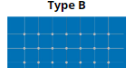


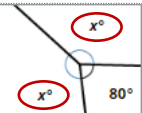
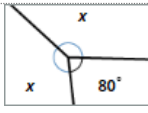



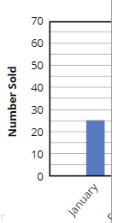



Original ID	Label	FT	MS	Revision
ME82214	Stimulus	Each small square is .01 of the large square.	Each small square is 0.01 of the large square.	Changed .01 to 0.01.
M82N01	Introduction	<i>The next ten screens are about packaging tennis balls.</i>	<i>The next 7 screens are about packaging tennis balls.</i>	Replaced first sentence with "The next 7 screens..."
M82N02	Number of tennis balls in the box	These cylinders are then placed in carboard boxes.	These cylinders are then placed in cardboard boxes.	Fixed typo: "carboard" to "cardboard"
M82N02 CRUCIAL	Question B	B.What are the dimensions of a box that fits six containers?	B.What are the length and width of the smallest box that fits six containers?	Changed stem to "What are the length and width of the smallest box that fits six containers?"
M82N04	Question	How many boxes will ZED need to ship 50,000 tennis balls? Show your working out. 	How many boxes will ZED need to ship 50,000 tennis balls? Answer: <input type="text"/> boxes	Removed symbols toolbar, "Show your work" text, and response box. Added number pad and text: "Answer: boxes"
M82N09		Explain what you did to find y and z . 	none	Removed symbols toolbar, "Explain what you did to find y and z" text, and response box
ME82802 CRUCIAL	Stem	Erin draws two of the cards below.	Erin chooses two of the cards below at random .	Changed first sentence to "Erin chooses two of the cards below at random."
M82C03		Show your working out. 	Answer: <input type="text"/> cakes	Removed symbols toolbar, "Show your work" text, and response box Added number pad and text: "Answer: cakes"

M82C04	Question	<p>One of the teachers does some research about the cost of transportation and finds two possible plans for transportation.</p> <p>A. For which numbers of people are Plan 1 and Plan 2 the same price?</p> <p>Click the points on the graph to show your answer.</p> <p>B. If they choose Plan 2 for transportation and pay 93 zeds for registration fees, is the 350 zed budget enough for 2 teachers and 7 students to go to the singing competition?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p>Explain your answer.</p>	<p>One of the teachers does some research about the cost of transportation and finds two possible plans for transportation.</p> <p>For which numbers of people are Plan 1 and Plan 2 the same price?</p> <p>Click the points on the graph to show your answer.</p>	Deleted part B and symbols toolbar
M82C06	Question	<p>A. What is the maximum number of Total points that any team can get?</p> <p>Total points = <input type="text"/></p> <p>B. Your team has not competed yet. Does your team need to receive points to win the competition?</p> <p>Explain your answer.</p>	<p>What is the maximum number of Total points that any team can get?</p> <p>Answer: <input type="text"/> points</p>	<p>Deleted part B</p> <p>Replaced "Total points = " with "Answer: points"</p>
ME82808 CRUCIAL	Stimulus	Four bags each contain red and green balls as shown in the table.	Four bags each contain red and green balls as shown in the table. Peter will choose one ball from one bag at random.	Added after first sentence: "Peter will choose one ball from one bag at random."
ME82116	Stimulus	The thermometer shows Monday's hottest temperature.	The thermometer shows Monday's highest temperature.	Changed "hottest" to "highest" in first sentence.
ME82199 (FT: M82L07) CRUCIAL	Question A, Images	<p>A. What is the maximum number of panels that fit on Nada's roof? The panels cannot be cut and cannot hang off the roof.</p> <p><input type="text"/></p> <p>Type A</p>  <p>Price: 45 zeds Power: 275 watts</p> <p>Type B</p>  <p>Price: 60 zeds Power: 350 watts</p>	<p>A. What is the maximum number of panels that fit on Nada's roof? The panels cannot be cut and cannot hang off the roof.</p> <p>Answer: <input type="text"/> panels</p> <p>Type A</p>  <p>Power: 275 watts</p> <p>Type B</p>  <p>Power: 350 watts</p>	<p>Added text around number pad:</p> <p>"Answer: panels</p> <p>Removed prices from panels</p> <p>Removed prices from Type A and Type B boxes.</p>
ME82314	Question	Select all the rows that have a ratio of 4 red cars to 1 blue car.	Select all the rows that have a ratio of 4 red cars to 1 blue car.	Bolded "all".
ME82608	Question	Where will A be after these translations?	Where will A be after this translation ?	Changed second sentence to "Where will A be after this translation?" (plural to singular)

ME82119 CRUCIAL	Condition 3	It is not the square root of a whole number.	It is the square of a whole number.	Corrected item text: Changed "It is not the square root of a whole number." to "It is the square of a whole number."
ME82610	Degrees of angle in diagram			Removed degree symbols from x in diagram
ME82205	Instruction	Click the number of pizza slices that are left.	Click each slice of pizza that was left.	Changed last sentence: "Click each slice of pizza that was left."
ME82617	Instruction	Click the angle in quadrilateral Y that corresponds to angle P.	Click the angle in quadrilateral Y that is equal to angle P.	Changed second sentence to "Click the angle in quadrilateral Y that is equal to angle P."
ME82112	Question	How many degrees warmer is the average temperature in the summer than in the winter?	How many degrees higher is the average temperature in the summer than in the winter?	Changed "warmer" to "higher".
ME82791 (FT: M82H03) CRUCIAL	Stimulus Many changes	<p>Jackets</p> <p>Next, Jo looks at jacket sales. She sold a total of 287 jackets over the seven months.</p>  <p>A. What is the median number of jackets sold per month? Answer: <input type="text"/> jackets</p> <p>B. What is the mean number of jackets sold per month? Answer: <input type="text"/> jackets</p> <p>C. Jo sold the jackets for 89.95 zeds each. How much money did she receive for the jackets she sold in February? Answer: <input type="text"/> zeds</p>	<p>A store owner is reviewing sales of jackets over seven months.</p> <p>Jackets sell for 89.95 zeds each. How much money did she receive for the jackets she sold in February?</p> <p>Answer: <input type="text"/> zeds</p> 	Removed parts A and B. Removed header text. Changed first sentence to "A store owner is reviewing sales over of jackets seven months"
ME82790 (FT: M82H02) CRUCIAL	Stimulus Question	<p>Shirts</p> <p>Jo begins by looking at shirt sales.</p>  <p>A. What is the difference in shirt sales between the month with the least sales and the month with the most sales? Answer: <input type="text"/> shirts</p> <p>B. She calculated the mean to be 36 and the median to be 45. Give one reason why the median might be a better estimate. <input type="text"/></p> <p>C. Do you agree with Jo? Give a reason why that considers the data from all seven months. <input type="text"/></p> 	<p>A store owner wants to know how shirt sales have been during the first seven months of the year.</p>  <p>What is the difference in shirt sales between the month with the least sales and the month with the most sales? Answer: <input type="text"/> shirts</p>	Removed header text. Removed parts B and C. Removed price from tag. Changed first sentence to "A store owner wants to know how shirt sales have been during the first seven months of the year."

ME82792 (FT: M82H04) <div>CRUCIAL</div>	Many changes	<p>Jo now wants to look at the amount of money she received each month from sales of shoes. She graphed the data, but could not find the sales amount for April. She only remembers that the sales were at least as good as March</p> <p>Use the data in the graph to estimate Jo's shoe sales in April. Estimate: <input type="text"/> Use existing data points to explain your estimate.</p> <div> <div>+</div><div>-</div><div>x</div><div>÷</div><div>π</div><div><</div><div>≤</div><div>≥</div><div>></div><div>()</div><div>□</div><div>√</div> </div>	<p>A store owner graphs data on shoe sales but cannot find data for April. She only remembers that the sales were at least as good as March and not as good as July.</p> <p>Use the data in the graph to estimate shoe sales in April. Estimate: <input type="text"/> zeds</p>	<p>Changed to "A store owner graphs data on shoe sales but cannot find data for April. She only remembers that the sales were at least as good as March and not as good as July." Deleted second sentence: "She graphed the data, but could not find the sales amount for April." Removed text box and "Use existing data points to explain your estimate."</p>
ME82312 <div>CRUCIAL</div>	Question	<p>Use the sales data to compare the number of white t-shirts sold in April to the number sold in May.</p> <p>How many shirts were sold in each month?</p>	<p>Use the sales data to calculate the number of white t-shirts sold in April and in May.</p> <p>How many white t-shirts were sold in each month?</p>	<p>Changed first sentence: "Use the sales data to calculate the number of white t-shirts sold in April and in May." Corrected item text: Change "How many shirts were sold in each month?" to "How many white t-shirts were sold in each month?"</p>

Original ID	Label	FT	MS	Revision
SE82902	Increase green space as carbon dioxide increases			This was not in FT, please verify fully.
SE82025	Response option	Plants produce chlorophyll during photosynthesis. (A) (B) Plants produce oxygen during photosynthesis. (A) (B) Plants use energy during photosynthesis. (A) (B) Plants require darkness to begin photosynthesizing. (A) (B) Plants use carbon dioxide during photosynthesis. (A) (B)	Plants produce chlorophyll during photosynthesis. (A) (B) Plants produce oxygen during photosynthesis. (A) (B) Plants require darkness to begin photosynthesizing. (A) (B) Plants use carbon dioxide during photosynthesis. (A) (B)	Removed Option C
SE82273	Flooding leads to shortage/disease			This was not in FT, please verify fully.
SE82171 CRUCIAL	Why did the weight of the charcoal decrease?	A piece of charcoal and a piece of steel wool (iron) are burned while attached to a balance scale. After several minutes, the charcoal weighed less and the steel wool weighed more. Click ▶ to see an animation of the process. Both weights changed when the charcoal and steel wool burned in the air. Why did the weight of the charcoal decrease? Why did the weight of the steel wool increase?	A piece of charcoal is burned while attached to a balance scale. After several minutes, the charcoal weighed less. Click ▶ to see an animation of the process. Why did the weight of the charcoal decrease?	This was not in FT, please verify fully.
SE82347	Area that would most benefit from desalination plant			This was not in FT, please verify fully.
S82T02	Question	Which two does the Sun provide all planets in the Solar System?	Which two does the Sun provide all planets in the Solar System?	Bolded the word "two"
S82T03 CRUCIAL	Question	B. Make a diagram to show how this motion results in day and night. Drag the Sun and Earth onto the grid. Use your drawing tool to show the part of Earth where it is night	B. Show how this motion results in day and night in the diagram below. Use your drawing tool to show the part of Earth where it is night.	Wording changed for question B

SE82071	Stimulus	A scientist counted the number of beetles and songbirds in a large field. She counted them at four different times during the summer and recorded her results in the table. The scientist concluded that the songbirds were eating the beetles.	A student counted the number of beetles and songbirds in a large field. She counted them at four different times during the summer and recorded her results in the table. The student concluded that the songbirds were eating the beetles.	Changed "scientist" to "student" in item stem
SE82175	Response options	<div>temperature of the vinegar solution</div> <div>amount of light in the room</div> <div>shape of the container</div> <div>size of the baking soda particles</div> <div>rate of stirring</div> <div>concentration of the vinegar solution</div>	<div>temperature of the vinegar solution</div> <div>amount of light in the room</div> <div>shape of the container</div> <div>rate of stirring</div> <div>concentration of the vinegar solution</div>	Removed Option D
SE82104	Instruction	Use the drop-down menus to identify the type of matter represented by the particles shown in each diagram.	Use the drop-down menus to identify the type of matter represented in each diagram .	Removed "by the particles shown"
SE82205	A gas is heated in a sealed container	volume of the gas density of the gas pressure of the gas number of gas molecules average speed of gas molecules	volume of the gas pressure of the gas number of gas molecules average speed of gas molecules	Removed Part B: density of the gas
SE82341	Advantages and disadvantages of energy sources	Drag each energy source into the grid to match it with its advantage and disadvantage.	Drag each energy source into the grid to match it with its advantage and disadvantage.	Bolded "each"
SE82099	Trees protect soil from erosion			This was not in FT please verify fully
S82L03	Question	A. Drag the pictures of two organisms that compete for food into the boxes below. B. Drag the pictures of two organisms that have a predator-prey relationship into the boxes below.	A. Drag the pictures of any two organisms that compete for food into the boxes below. B. Drag the pictures of any two organisms that have a predator-prey relationship into the boxes below.	Added the word "any" to the question stem
S82L09	Question	Give two examples.	Give one example .	Removed Part B Changed the question accordingly
S82L10	Question	A. Give two examples of human activities that have a negative impact on the population of savanna elephants. B. Give two examples of human activities that are helping endangered elephants.	A. Give one example of human activities that have a negative impact on the population of savanna elephants. B. Give one example of human activities that are helping endangered elephants.	Removed second example Changed the question accordingly

SE82077	Question	<table><tr><th>Processes</th><th>Carbon Dioxide</th></tr><tr><td>photosynthesis</td><td><div>Choose one</div></td></tr><tr><td>respiration in plants</td><td><div>Choose one</div></td></tr><tr><td>respiration in animals</td><td><div>Choose one</div></td></tr><tr><td>burning wildfires</td><td><div>Choose one</div></td></tr></table>	Processes	Carbon Dioxide	photosynthesis	<div>Choose one</div>	respiration in plants	<div>Choose one</div>	respiration in animals	<div>Choose one</div>	burning wildfires	<div>Choose one</div>	<table><tr><th>Processes</th><th>Carbon Dioxide</th></tr><tr><td>photosynthesis</td><td><div></div></td></tr><tr><td>respiration in animals</td><td><div></div></td></tr><tr><td>burning wildfires</td><td><div></div></td></tr></table>	Processes	Carbon Dioxide	photosynthesis	<div></div>	respiration in animals	<div></div>	burning wildfires	<div></div>	Removed Part B: respiration in plants															
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SE82146 <div>CRUCIAL</div>	Question	<table><tr><th>Step</th></tr><tr><td><div></div> Use the hot plate to evaporate the water and leave the salt in the beaker.</td></tr></table>	Step	<div></div> Use the hot plate to evaporate the water and leave the salt in the beaker.	<table><tr><th>Step</th></tr><tr><td><div></div> Use the hot plate to evaporate the water and keep the salt.</td></tr></table>	Step	<div></div> Use the hot plate to evaporate the water and keep the salt.	Changed first row of table to "Use the hot plate to evaporate the water and keep the salt"																													
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SE82246	Statement	<table><tr><th></th><th>Correct</th><th>Incorrect</th></tr><tr><td>Sound travels faster in solids than in gases.</td><td><div>A</div></td><td><div>B</div></td></tr><tr><td>Sound travel faster in liquids than in solids.</td><td><div>A</div></td><td><div>B</div></td></tr><tr><td>Sound travels faster in gases than in liquids.</td><td><div>A</div></td><td><div>B</div></td></tr><tr><td>Sound travels faster in compounds than in elements.</td><td><div>A</div></td><td><div>B</div></td></tr><tr><td>Sound travels faster in materials that are more dense than in materials that are less dense.</td><td><div>A</div></td><td><div>B</div></td></tr></table>		Correct	Incorrect	Sound travels faster in solids than in gases.	<div>A</div>	<div>B</div>	Sound travel faster in liquids than in solids.	<div>A</div>	<div>B</div>	Sound travels faster in gases than in liquids.	<div>A</div>	<div>B</div>	Sound travels faster in compounds than in elements.	<div>A</div>	<div>B</div>	Sound travels faster in materials that are more dense than in materials that are less dense.	<div>A</div>	<div>B</div>	<table><tr><th></th><th>Correct</th><th>Incorrect</th></tr><tr><td>Sound travels faster in solids than in gases.</td><td><div>A</div></td><td><div>B</div></td></tr><tr><td>Sound travels faster in liquids than in solids.</td><td><div>A</div></td><td><div>B</div></td></tr><tr><td>Sound travels faster in gases than in liquids.</td><td><div>A</div></td><td><div>B</div></td></tr><tr><td>Sound travels faster in states of matter that are more dense than states of matter that are less dense.</td><td><div>A</div></td><td><div>B</div></td></tr></table>		Correct	Incorrect	Sound travels faster in solids than in gases.	<div>A</div>	<div>B</div>	Sound travels faster in liquids than in solids.	<div>A</div>	<div>B</div>	Sound travels faster in gases than in liquids.	<div>A</div>	<div>B</div>	Sound travels faster in states of matter that are more dense than states of matter that are less dense.	<div>A</div>	<div>B</div>	Removed 4th statement: sound travels faster in compounds than in elements Changed the wording of 4th statement to "Sound travels faster in states of matter that are more dense than states of matter that are less dense."
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SE82001	Instruction	<table><tr><td>skin</td><td><div></div></td><td><div></div> protects against external injury and veins</td></tr><tr><td>Organ</td><td></td><td>Function</td></tr></table>	skin	<div></div>	<div></div> protects against external injury and veins	Organ		Function	<table><tr><td>skin</td><td><div></div></td><td><div></div> protects against external injury and veins</td></tr><tr><td>Organ</td><td></td><td>Function</td></tr></table> <div>Click a circle twice to change your answer.</div>	skin	<div></div>	<div></div> protects against external injury and veins	Organ		Function	Added below table "Click on the circle twice to change your answer"																					
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SE82060 <div>CRUCIAL</div>	Predator-prey cycle: prey outcome	<p>A. What happens to the number of prey animals when the number of predators increases? Explain why this happens.</p> <p>B. In the graph, the predator line reaches its highest point after the prey line reaches its highest point. Explain why this happens.</p>	<p>A. What happens to the number of prey animals when the number of predators increases?</p> <p>B. Explain why this happens to the number of prey animals.</p>	Removed Part B Split Part A questions into Part A and Part B with 1 textbox per question																																	
SE82233	Water source for desalinization			This was not in FT, please verify fully.																																	
SE82070	Food chain is missing an animal	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div> <div><div>rabbit</div><div>snake</div><div>grasshopper</div><div>elk</div></div>	Added names of animals below options (rabbit, grasshopper, snake, elk) Switched place of snake image with grasshopper image																																	
SE82335	Natural resource formation shown in diagrams			This was not in FT, please verify fully.																																	

SE82005	Question	Drag the pictures of the animals into the grid to classify them into their biological groups.	Drag the pictures of all the animals into the grid to classify them into their biological groups.	Added word "all" in bold
SE82721	Evidence of global warming			This was not in FT, please verify fully.