TEAMMS

SCIENCE PROCESS SKILLS



MASTERY FOCUS

STEM

3 EARTH BOOK



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LESSON 1

STEM SKILL
Interpreting and Organizing Data

Where is it worn?

head → red
eyes → blue
legs → green
ears → yellow
feet → orange

Sort the items below by coloring each circle according to the correct body part.



STEM SKILL
Generalizing

Which body part is used? Write the correct word for each group of pictures.



1 **mouth**



2 **eyes**



3 **ears**



4 **nose**

eyes ears mouth nose

STEM SKILL
Drawing Conclusions

We use our senses to help us learn every day. What does each body part help you do? Match each body part to the correct sense.

1. What do your eyes help you do?



2. What does your nose help you do?



3. What do your ears help you do?



4. What do your fingers and skin help you do?



5. What do your mouth and tongue help you do?













STEM SKILL
Generalizing

brown	tan
gray	purple







Senses
smell, sight, sound, touch, taste

Use two words from the box to describe the object(s).	Which sense(s) did you use?
Ex.  cake: soft	touch
cake: sweet	taste
1  grapes: purple	sight
grapes: sweet	taste
2  sand: tan	sight
sand: soft	touch
3  dough: sticky	touch
dough: tan	sight

LESSON 2

STEM SKILL
Drawing Conclusions

Write the names of the animals in the correct boxes.

	scream	roar	howl	climb	run	fly
tiger		✓		✓	✓	
monkey	✓			✓	✓	
lion		✓		✓	✓	
owl	✓					✓
bear		✓		✓	✓	
wolf			✓	✓	✓	

1
tiger
lion
bear

Which animals can roar, climb, and run?

2
monkey
owl

Which animals can scream?

3
wolf

Which animal can howl, climb, and run?

STEM SKILL
Classifying

Sort the animals by weight. Write the letter of each animal below.



1	2	3	4	5
C	D	B	A	E

STEM SKILL
Observing

Look at the pictures. Write the name of an animal with the same body part(s).

1 lion

four legs

2 tiger

paws

Answers may vary.

wings

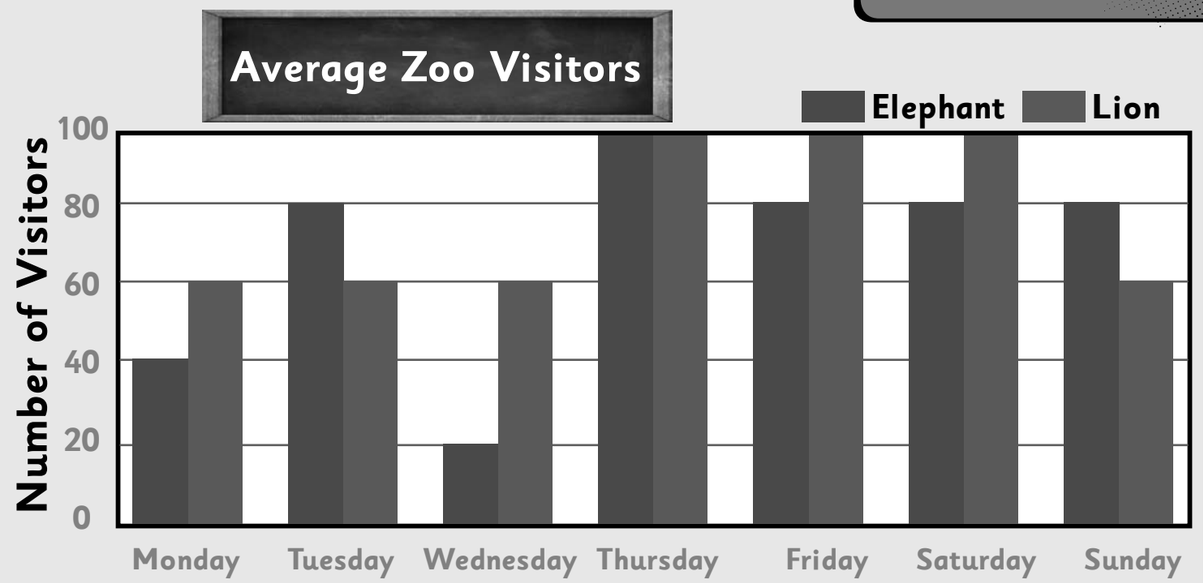
3 owl

4 monkey

tail

STEM SKILL
Drawing Conclusions

Look at the graph below. Answer the questions.



1. Which animal do more people like to see on Mondays?
   More people like to see the lion on Mondays.

2. Which animal do more people like to see on Wednesdays?
   More people like to see the lion on Wednesdays.

3. Of the two, which animal is more popular at the zoo?
   The lion is more popular.

LESSON 3

STEM SKILL
Drawing Conclusions

Look at the family tree and complete the sentences below.

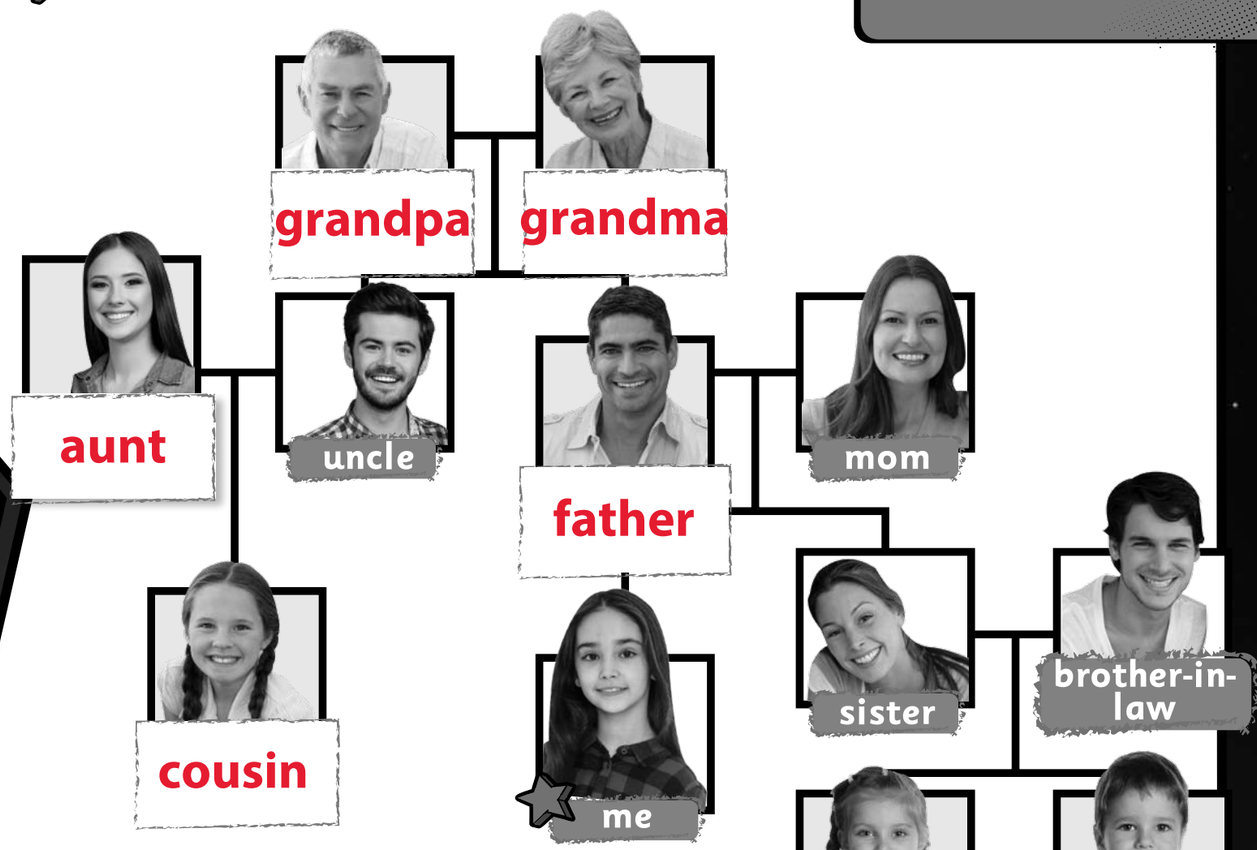


1. My **grandma** is my dad's mother.
2. My **aunt** and **uncle** are my cousins' mother and father.
3. My brother is the father of my **niece** and **nephew**.
4. My **uncle** is my dad's brother.

STEM SKILL
Drawing Conclusions

Write the words to complete the family tree.

★ Not all the words will be used.



Word Box

dad grandpa aunt brother grandma niece nephew uncle sister cousin

STEM SKILL
Drawing Conclusions

Look at Bob's family tree.


Joan


John


Kim


Tim


Martha


Bob


Angela

sister
mother
father
aunt
grandpa

Complete each sentence with the correct word.

1. Kim is Bob's **aunt** .
2. Angela is Bob's **sister** .
3. John is Bob's **grandpa** .
4. Tim is Bob's **father** .
5. Martha is Bob's **mother** .

STEM SKILL
Drawing Conclusions

Look at the chart and answer the questions.

Tim's Family Members

uncle	aunt	brother	nephew	niece	grandma	grandpa
  	 		 	  		 

girl, woman = female boy, man = male

1. How many females are there in Tim's family?

   There are **6** females in Tim's family.

2. How many males are there in Tim's family?

   There are **8** males in Tim's family.

3. Are there more males or females in Tim's family?

   There are more **males** than **females** in Tim's family.

LESSON 4

STEM SKILL
Comparing and Contrasting

Look at the two drinks. Write the correct number or numbers in each section of the diagram. Not all the words will be used.

1 cold　2 hot　3 sour
4 bitter　5 sweet



STEM SKILL
Drawing Conclusions

Look at the chart and complete the sentences.

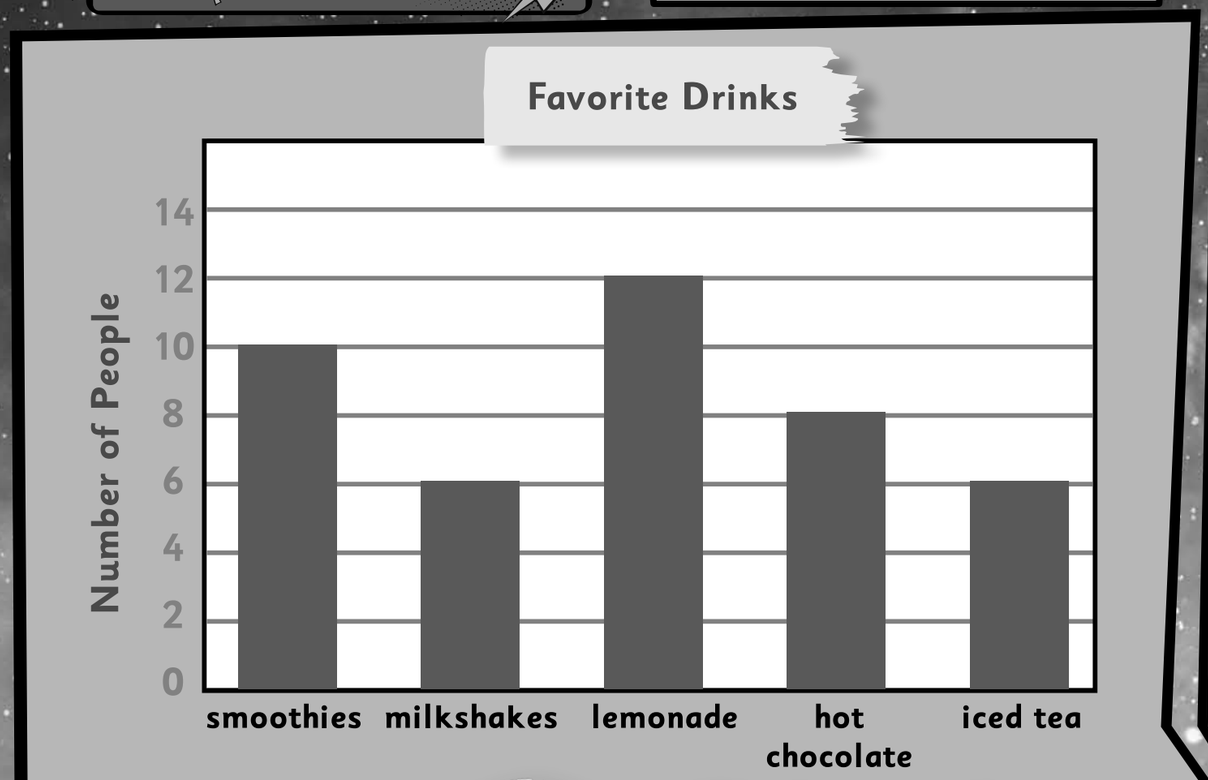
Who wants to drink what?



1. Six boys and girls want to drink lemonade.
2. Two girls want to drink milk tea.
3. Four boys want to drink iced tea.
4. Three girls want to drink hot chocolate.

STEM SKILL
Drawing Conclusions

Look at the bar graph and answer the questions.



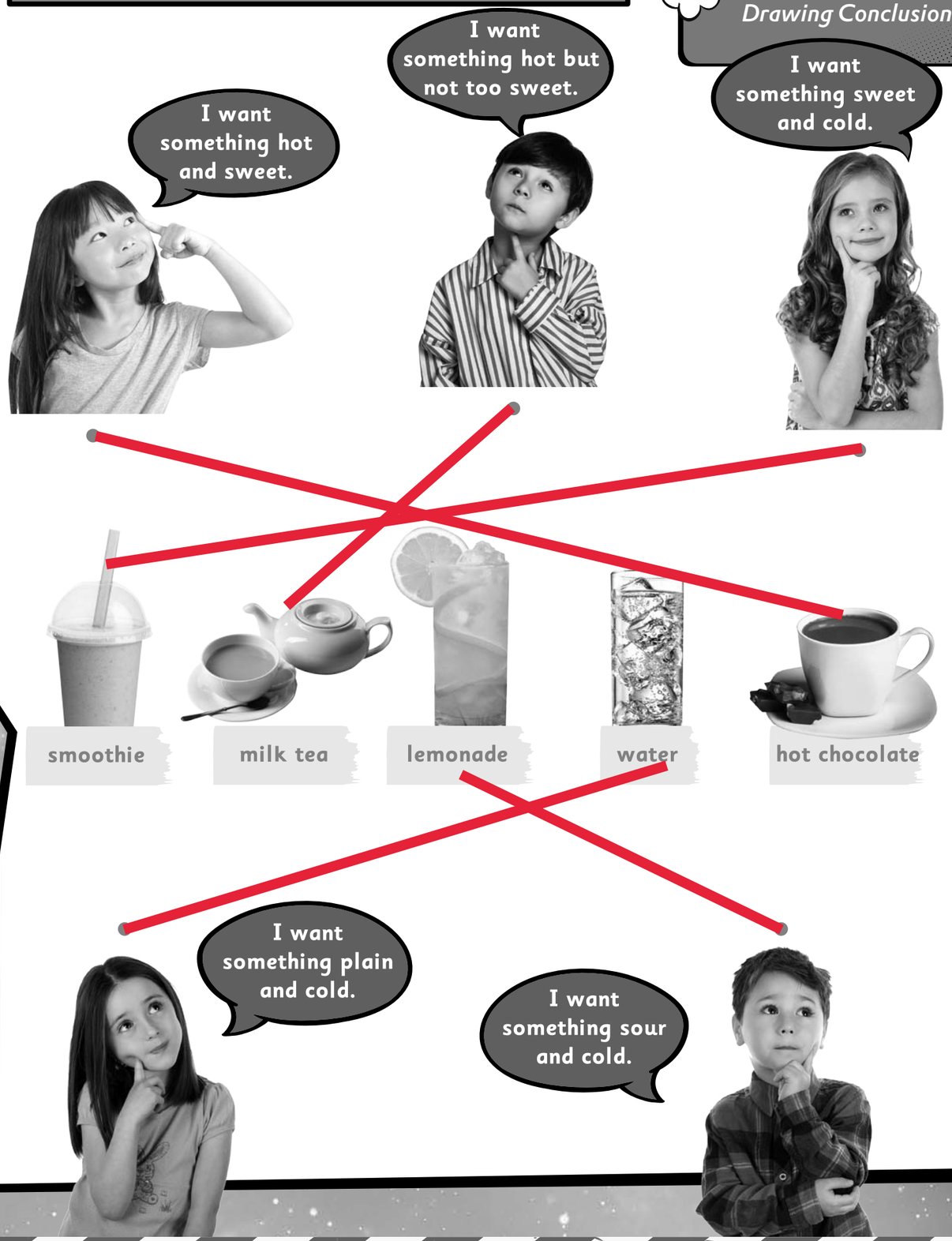
1. How many students like smoothies? 10

2. How many more students like lemonade than hot chocolate? 12 - 8 = 4

3. Which two drinks do the same number of students like? milkshakes and iced tea.

STEM SKILL
Drawing Conclusions

You are serving drinks at a drink counter. Match each person to the drink that you will give him or her.

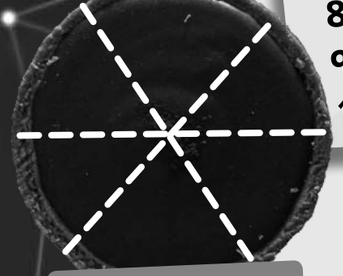


LESSON 5

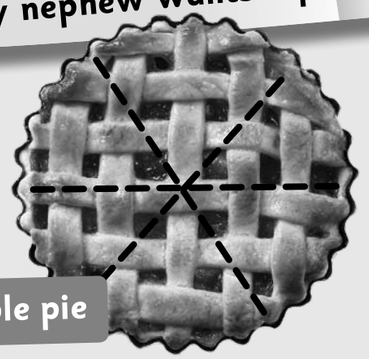
STEM SKILL
Interpreting and Organizing Data

Check the pieces of cake and pie that Tom's family wants. Then complete the sentences.

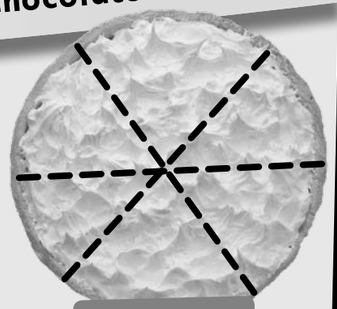
1. My grandpa wants a piece of chocolate cake.
2. My grandma wants a piece of apple pie.
3. My mom wants a piece of cream pie.
4. My dad wants a piece of apple pie.
5. I want a piece of chocolate cake.
6. My uncle wants a piece of cream pie.
7. My aunt wants a piece of apple pie.
8. My cousin wants a piece of chocolate cake.
9. My niece wants a piece of cream pie.
10. My nephew wants a piece of chocolate cake.



chocolate cake



apple pie



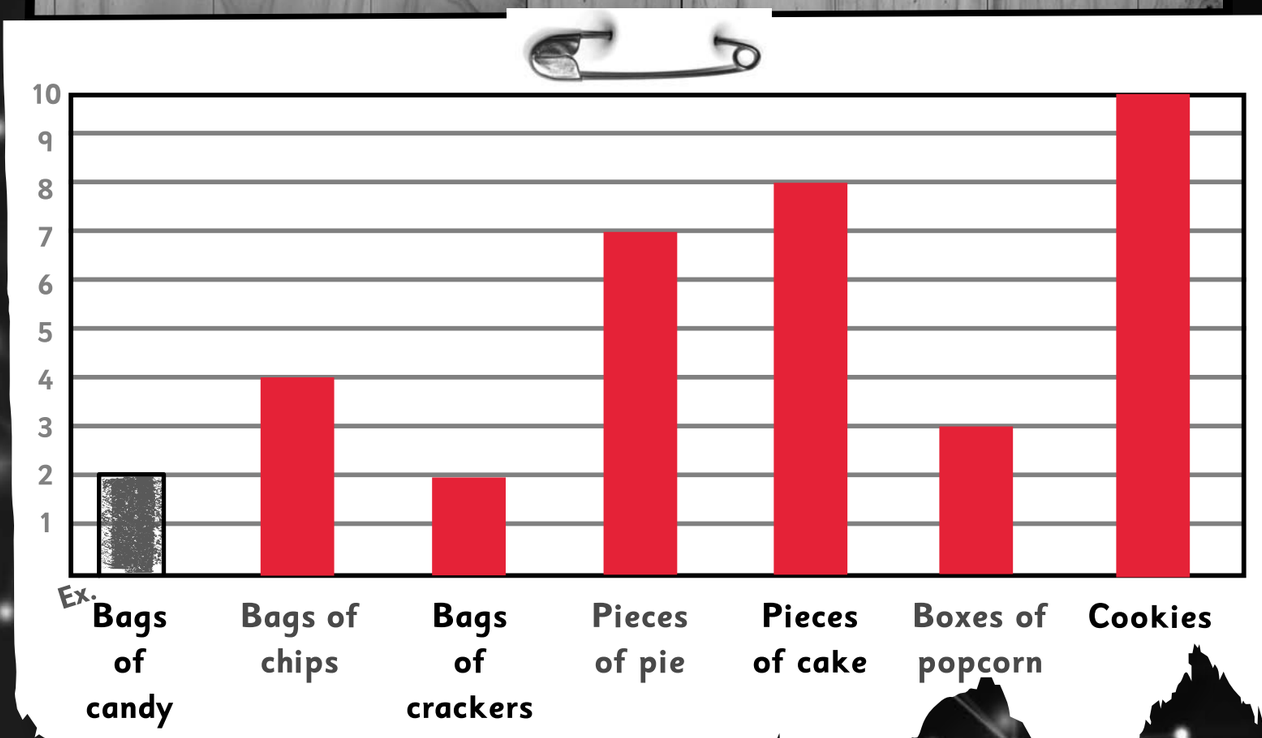
cream pie

1. Tom's family wants **three** pieces of cream pie.
2. Tom's family wants **three** pieces of apple pie.
3. Tom's family wants **four** pieces of chocolate cake.
4. There are **three** pieces of apple pie left.

STEM SKILL
Interpreting and Organizing Data

Look at the picture and complete the chart.

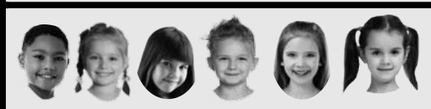
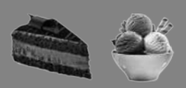
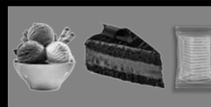




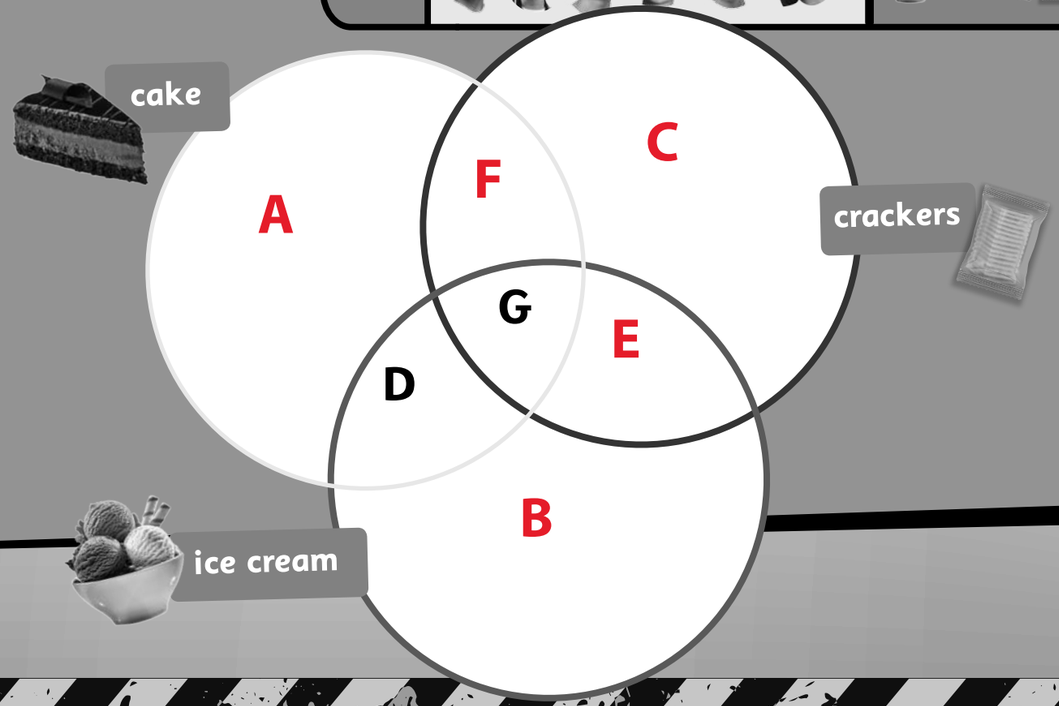
STEM SKILL
Classifying

Write the correct letter in each section of the diagram.

Ex.1

	People	Food
A		
B		
C		
D		
E		
F		
G		

Ex.2



STEM SKILL
Drawing Conclusions

Use the table to answer the questions.

Type of Snack (100 grams)	Sugar (grams)	Salt (milligrams)
 popcorn	1	7
 ice cream	21	80
 crackers	7	748
 cake	35	315
 candy	66	15

1. Which snack has the most sugar?

   candy

2. Which snack has the least sugar?

   popcorn

3. If you want a sweet snack with the least amount of salt, which snack should you get?

   candy

4. If you want a very salty snack with the least amount of sugar, which snack should you get?

   crackers



LESSON 6

STEM SKILL
Inferring

Look at the pictures below and write what kind of food the cook is making.



1 **fried noodles**



2 **dumplings**



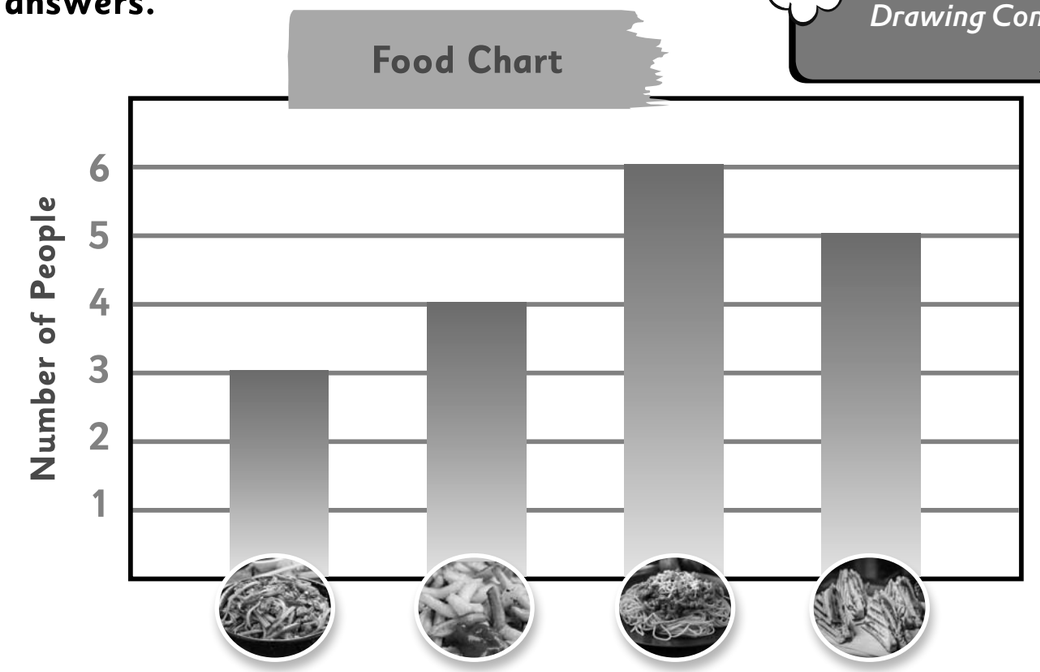
3 **sandwiches**



4 **spaghetti**

STEM SKILL
Drawing Conclusions

Read the questions and complete the answers.



1 How many people want French fries?

Four people want French fries.

2 How many people want sandwiches?

Five people want sandwiches.

3 How many people want spaghetti?

Six people want spaghetti.

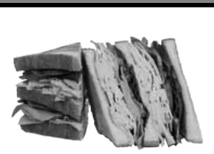
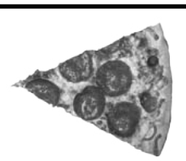
4 How many people want fried noodles?

Three people want fried noodles.

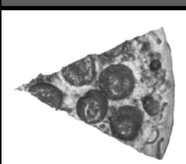
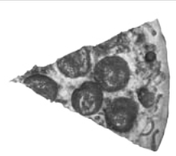
STEM SKILL
Drawing Conclusions

Chart A shows the food your friends are having for lunch. Chart B shows the food your friends like and dislike.

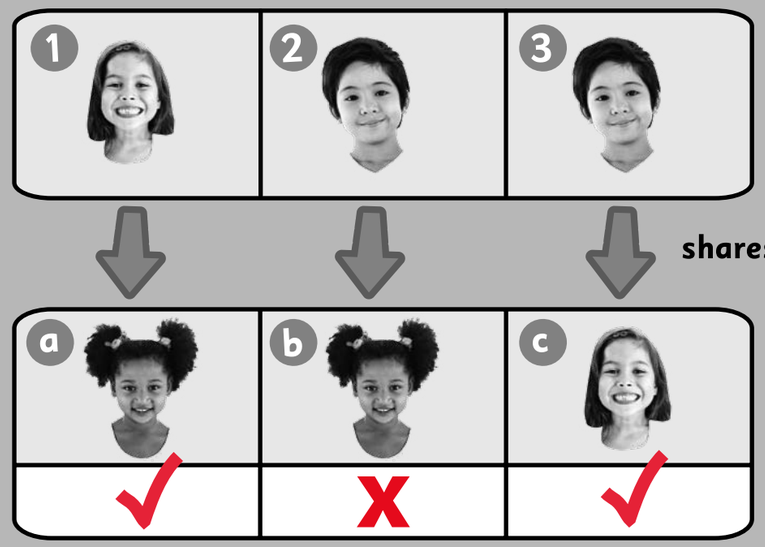
A Food for Lunch

Name	Food
Tim	
Mary	
Lisa	

B Likes and Dislikes

Name	Like	Dislike
Tim		
Mary		
Lisa		

Put a ✓ for people who would be happy if lunch were shared with them and an X for people who wouldn't.



Match the food with the dish in which it is used.





LESSON 7

STEM SKILL
Drawing Conclusions

Use the table to answer the questions.

Type of Fruit (100 grams)	Sugar (grams)	Salt (milligrams)
	8	0
	6	20
	6	1
	8	3
	9	3

1. Which fruit has the most sugar? **kiwis**
2. Which fruit has the least salt? **peaches**
3. If you want a fruit with the least amount of salt and sugar, which fruit should you choose? **watermelons**
4. If you want a fruit with the most salt, which fruit should you choose? **coconuts**

STEM SKILL
Classifying

Write the number of the correct fruit for each picture. Then write the correct number in each category.







1. cherries
2. guavas
3. kiwis
Ex. 4. pineapples
5. papayas
6. lemons
7. strawberries
8. peaches
9. coconuts
10. watermelons

A

1 2 3

6

5

8 9

Fruit that grows on trees

B

Ex: 4

7

10

Fruit that grows on the ground

STEM SKILL
Classifying

How do you usually eat them? Write each fruit under a category. Find a friend and compare your answers.



1 I usually eat the seeds.
kiwis
coconuts
guaves
strawberries

2 I usually don't eat the seeds.
peaches
watermelons
cherries
pineapples

3 I usually eat the skin.
guaves
strawberries
peaches
cherries

4 I usually don't eat the skin.
kiwis
pineapples
coconuts
watermelons

STEM SKILL
Observing

Look at the fruit and answer the questions.



1. How many kinds of red fruit are there?
   There are **two** kinds of red fruit.
2. How many kinds of yellow fruit are there?
   There are **two** kinds of yellow fruit.
3. How many kinds of green fruit are there?
   There are **three** kinds of green fruit.
4. How many kinds of brown fruit are there?
   There is **one** kind of brown fruit.

LESSON 8

STEM SKILL
Generalizing

Who lives there? Write the letter of each animal under the correct picture(s).

Word Box

a dolphin
b seal
c elephant
d snake
e mouse
f shark
g gorilla
h penguin



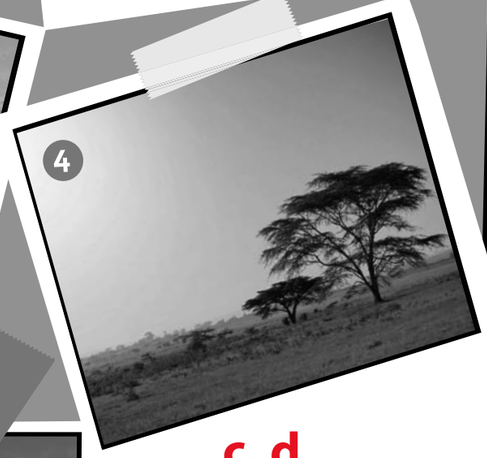
e, d



d g



a f



c, d

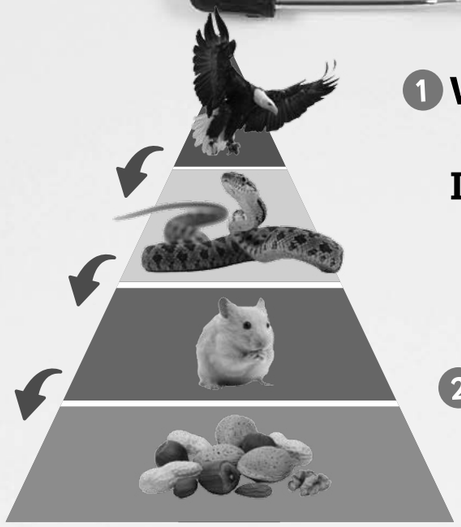


b h

STEM SKILL
Drawing Conclusions

Look at the food chains and answer the questions.

Food Chains



1 What does the  eat?

It eats the **mouse**.

2 What does the  eat?

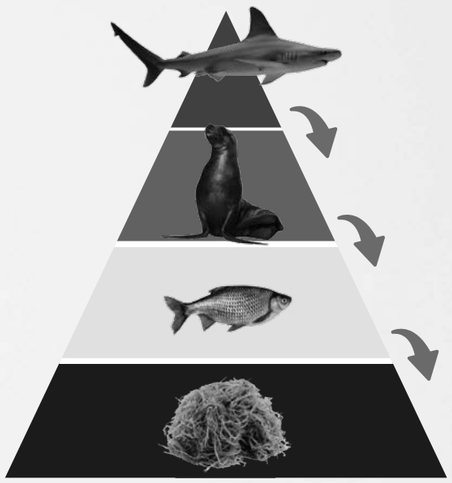
It eats the **snake**.

3 What does the  eat?

It eats the **fish**.

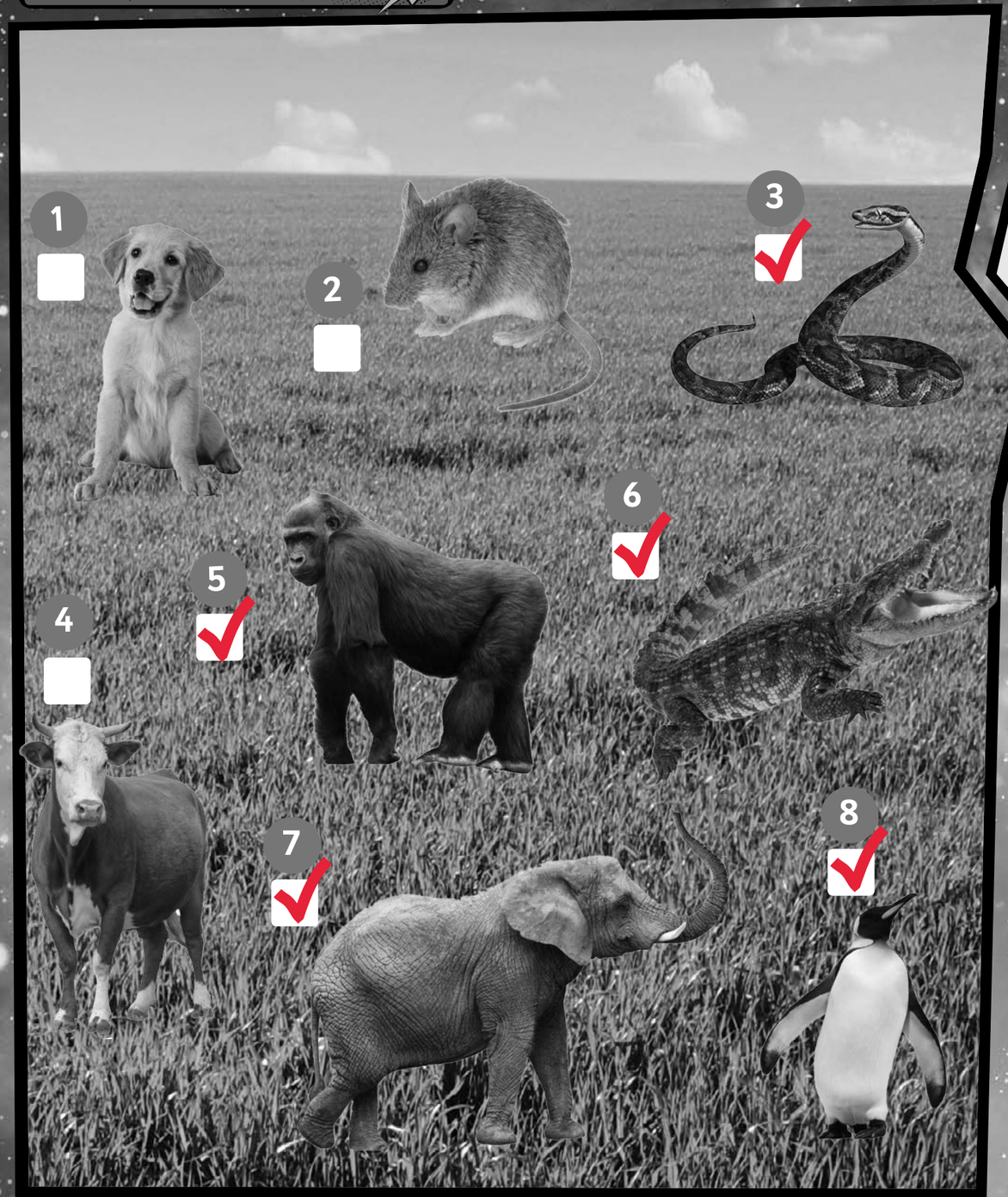
4 What does the  eat?

It eats the **seal**.



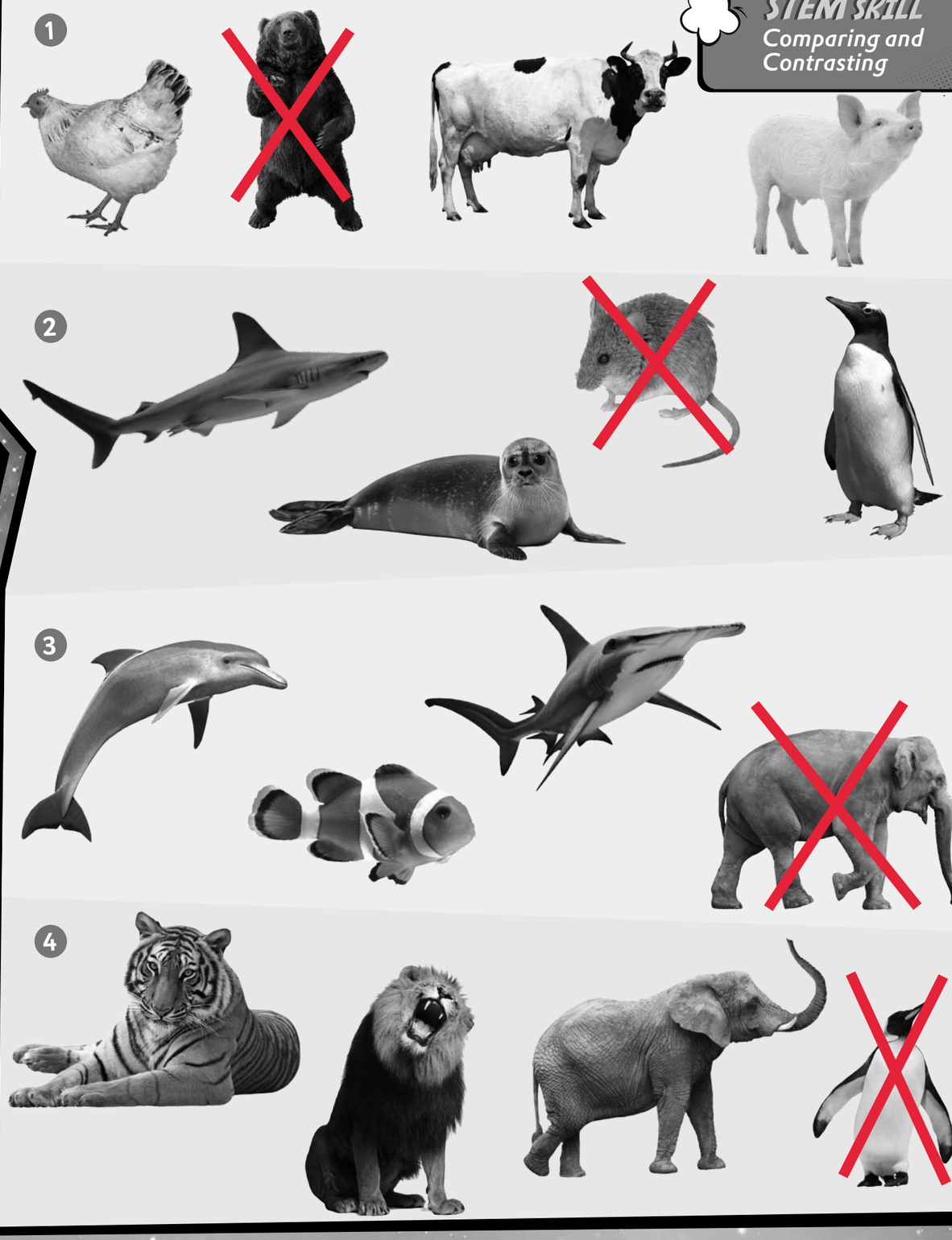
STEM SKILL
Making a Hypothesis

Which of these animals can you see at the zoo? Check the boxes.



STEM SKILL
Comparing and Contrasting

Cross out the animal that does not belong.



LESSON 9

STEM SKILL
Inferring

Connect each word to the correct picture clue.









table

blanket

closet

sofa

fan

lamp

pillow

STEM SKILL
Observing

Look at the picture and fill in the chart with the correct number of items.



How many of each do you see?

pillows	lamps	tables	rugs	fans	clocks
6	3	3	2	4	3

STEM SKILL
Generalizing

In what kind of weather do you usually find these items? Match each picture to a kind of weather.









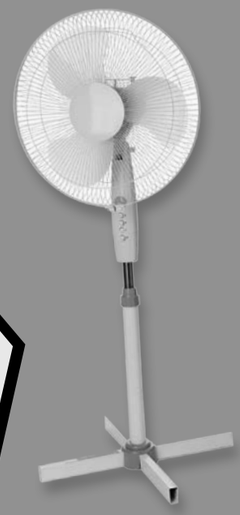


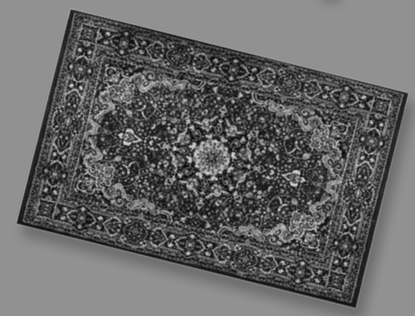


STEM SKILL
Interpreting and Organizing Data

Write the names of the circular objects in the circle. Write the names of the square or rectangular objects in the rectangle.















blanket

rug

closet

table

wall

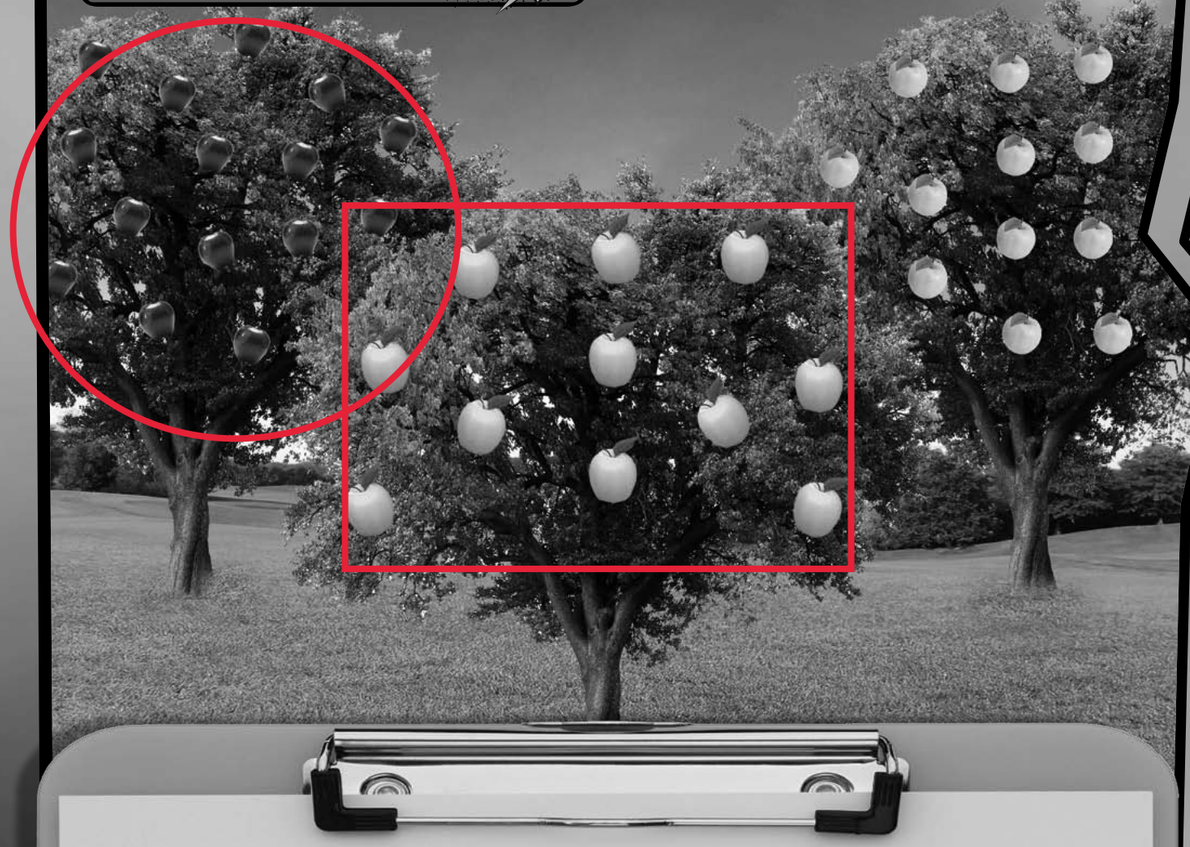
fan

clock

LESSON 10

STEM SKILL
Observing

Look at the picture and answer the questions.



1. There are **twelve** green apples.
2. There are **fifteen** red apples.
3. There are **eleven** yellow apples.
4. Draw a circle around the tree that has the most apples.
5. Draw a rectangle around the tree that has the least apples.

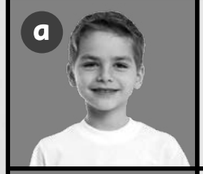
STEM SKILL
Drawing Conclusions

Choose the best bag for each child.
Each bag can only be used once.

What can each bag fit?

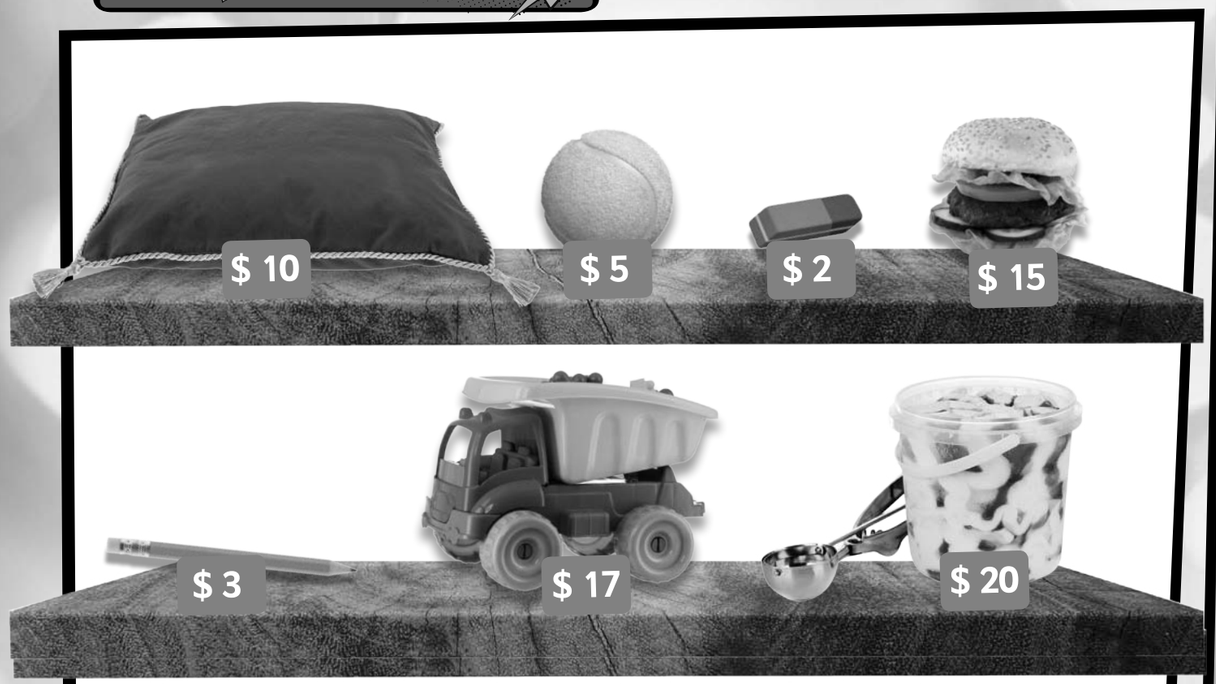
1 	2 	3 
10 small toys or five medium toys or three large toys.	20 small toys or 10 medium toys or six large toys.	40 small toys or 20 medium toys or 13 large toys.

Which bag is best?

		1 	2 	3 
a 	Tom has 10 small toys and five medium toys.	1	✓ 2	3
b 	Bill has 10 medium toys and five large toys.	1	2	✓ 3
c 	Mike has three large toys.	✓ 1	2	3

STEM SKILL
Drawing Conclusions

Look at the price of each item and answer the questions.



You have 50 dollars, and you must use all of your money. Put a ✓ for each set of items you can buy and an X for each set of items you cannot buy.

1  ☑

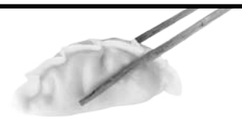
2  ☒

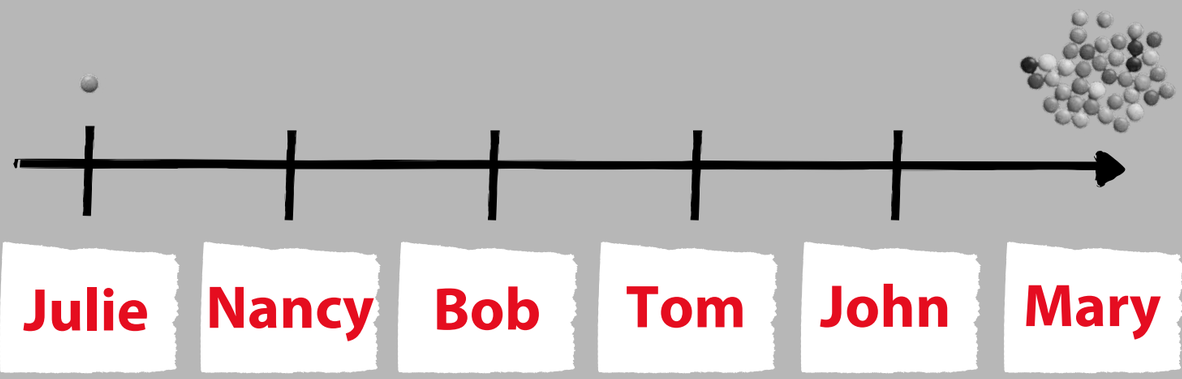
3  ☒

4  ☒

STEM SKILL
Classifying

Sort the friends from the one who brought the fewest items to the one who brought the most.

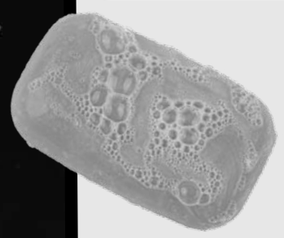
Name	Item	Quantity
 Tom		19
 Nancy		12
 Mary		30
 Bob		15
 Julie		10
 John		24

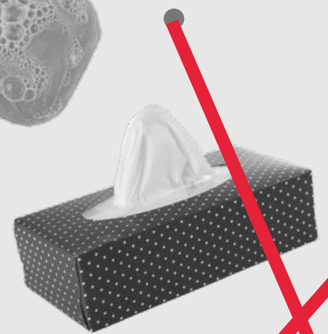


LESSON 11

STEM SKILL
Generalizing

Connect each item to the most suitable action.













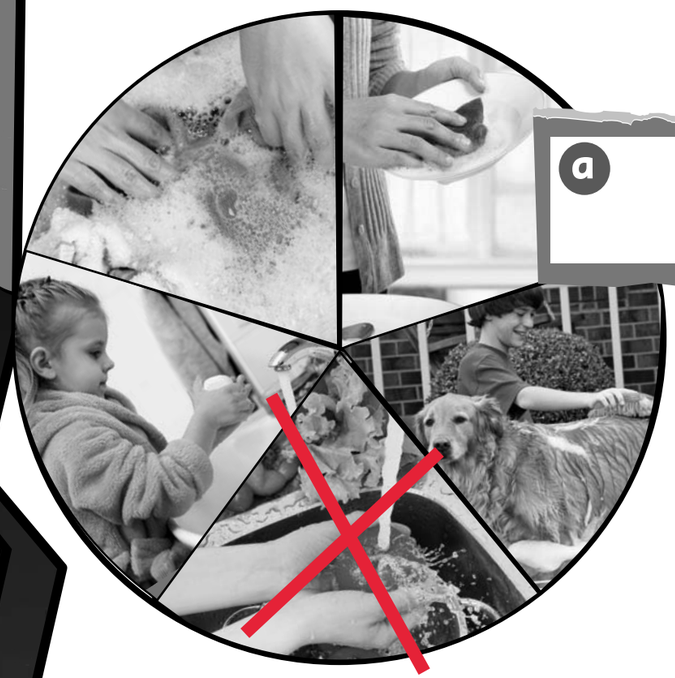
rinse

dry

rub

STEM SKILL
Generalizing

Cross out the picture that does not belong. Then write the correct action for the rest of the pictures.



a rub

Word Box

rub
rinse
dry



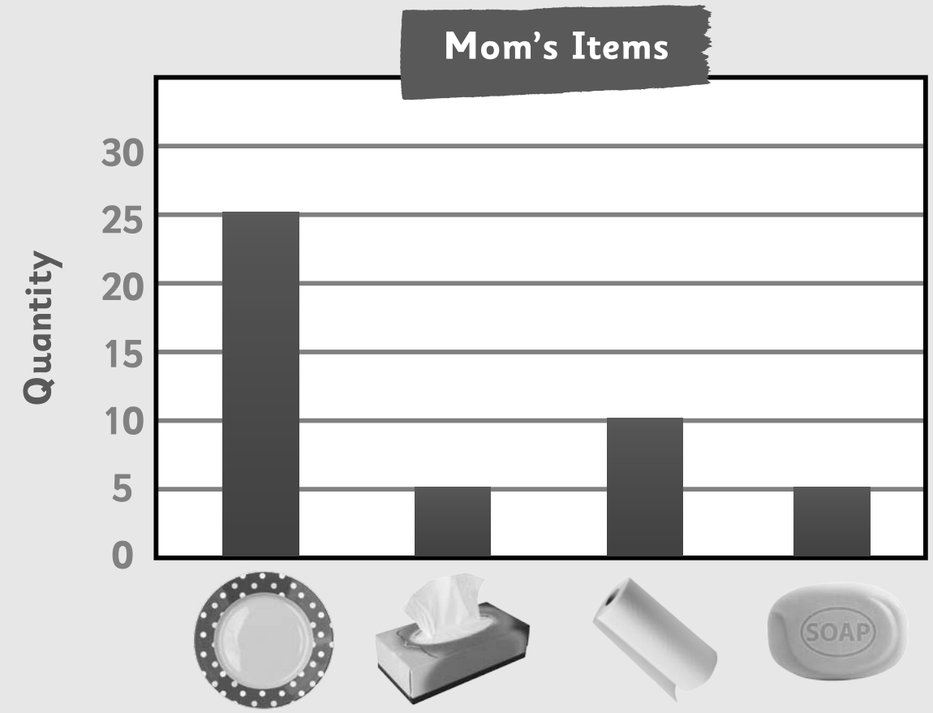
b rinse



c dry

STEM SKILL
Drawing Conclusions

Your mother bought the following items. Look at the graph and answer the questions.



1. How many rolls of paper towels did she buy? **10**
2. How many plates did she buy? **25**
3. How many boxes of tissue paper did she buy? **5**
4. How many bars of soap did she buy? **5**

STEM SKILL
Predicting

Match each situation to the next action that is most likely to follow.

1







2







3







4







LESSON 12

STEM SKILL
Generalizing

Draw an arrow from each action to a place in the house.

1

2

3

4

5

a

b

c

d

e

f

STEM SKILL
Inferring

Write the correct action for each picture. Then write the letter of the correct scenario.

Ex.

1



feed the dog

2



clean my room

3



brush my teeth

Actions

- get dressed
- ~~feed the dog~~
- brush my teeth
- make my bed
- clean my room

A



B



eating

C



STEM SKILL
Drawing Conclusions

This is Tom's daily routine.
Look at the table and answer the questions.

Morning 	✔ wash my face ✔ comb my hair ✔ get dressed ✔ put on my shoes
Afternoon 	✔ wash my face ✔ comb my hair
Night 	✔ take off my shoes ✔ take a shower ✔ get dressed

1. How many times each day does Tom get dressed? **2**
2. How many times each day does Tom put on his shoes? **1**
3. How many times each day does Tom comb his hair? **2**

STEM SKILL
Generalizing

Match each item in Column A to the correct activity in Column B.

Column A











Column B









YOU DID IT!!

AMAZING JOB!

CERTIFICATE OF COMPLETION

THIS AWARD IS PRESENTED TO

for doing a wonderful job. Keep up the great work!

TEACHER

DATE