Grade 6
English Language Arts and Mathematics
the cell phone  the cockroach  the sailboat
They eat almost anything.

They are liked by people.

They lived before dinosaurs.
They can survive anywhere.

They can run really fast.

They have two brains.
reading a book  rowing a boat  camping in a tent
Both are about rainy weather.

Both are about camping.

Both are about writing a letter.
Both describe how the air smells after it rains.

Both describe how to stay dry in the rain.

Both describe the sound of the rain.

Both describe how the rain feels.
meteors

tornadoes

elephants
Meteorites are found in museums.

Meteors make craters in Earth.

Meteors burn up in space.
This page has been intentionally left blank. Please use cutout cards and/or strips; they may be placed on this blank page.
It is not a planet.

It is getting smaller.

It has a clear orbit.
It is fun to play baseball.

It does not orbit the Sun.

It is smaller in size.
It helps scientists decide which space objects to study.

It provides rules for deciding whether an object in space is a planet.

It helps the reader understand why some people disagree with the scientists.
$1 \times 1 = 1$
$1 \times 2 = 2$
$1 \times 3 = 3$

$1 \times 4 = ?$
1, 2, 3

8, 18, 28

21, 24, 27
<table>
<thead>
<tr>
<th>Multiples of 2:</th>
<th>2, 4, 6, 8, 10, 12, 14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiples of 3:</td>
<td>3, 6, 9, 12, 15, 18, 21</td>
</tr>
</tbody>
</table>
1 ball for every 2 players
a big dog sleeping

a water bottle full of water

4 papers for every student
\[
\begin{align*}
2 : 10 \\
5 : 10 \\
3 \times 7
\end{align*}
\]
4 students with 3 bats each

7 bats for every 7 students

4 bats for every 3 students
-2
2 + 2 = 4 square units

2 + 2 + 2 + 2 + 2 + 2 = 12 square units

2 × 4 = 8 square units
Grade 7
English Language Arts and Mathematics
music store
wild animal
baseball game
Pete liked to study the stars. He bought a book about **astronomy** to learn more.
the study of weather

the study of space

the study of oceans
The weary player only wanted dinner and a comfortable bed.
pretty
tired
fierce
sunshine
family
airplane
Niko
Dad
Terrence
going on a dolphin cruise

making a family decision

doing what Mona wants to do
a firefighter

a lifeguard

a police officer
scanning

cleaning

diving

rescuing
Lauren wants to sit in the tall chair at the pool.

Lauren wants to practice rescues with her partner.

Lauren wants to keep Calvin and other swimmers safe.
a poem about grass

a poem about cars

a poem about horses
He planted the grass.

He watered the weeds.

He walked the dog.
If you give something care and attention, it will grow very well.

Some weeds are useful, depending on how you use them.

Watering plants too much can be harmful.
9 – 4 = n

7 × 3 = 21

6 + 1 = 7
$8 - n = 5$

$n - 5 = 8$

$n - 16 = 3$
\[ e = 8m \]
Heads  Tails
\[
\begin{array}{ccc}
16 & 4 & \frac{1}{2}
\end{array}
\]
probability of spinner arrow stopping on a section with a square = \frac{\text{number of squares}}{\text{total number of sections}}
Spinner 1

Spinner 2

Possible Spins

<table>
<thead>
<tr>
<th>Spinner 1</th>
<th>Spinner 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>△</td>
<td>●</td>
</tr>
<tr>
<td>△</td>
<td>□</td>
</tr>
<tr>
<td>□</td>
<td>●</td>
</tr>
<tr>
<td>□</td>
<td>□</td>
</tr>
</tbody>
</table>
10 students : 1 van
1 bicycle

2 vans

3 skateboards
2.5°C 0°C −5°C
Grade 8

English Language Arts, Mathematics, and Science
clothes

city

sport
They should eat a snack.

They should fill it in.

They should shout “fore.”
Practice the rules while playing.

Tell friends ways to improve their game.

Follow the directions of the referee.
farming

buying

renting
Buildings in cities are very tall.

There are many animals on rooftops.

The Sun can shine brightly on rooftop plants.
Wagons are used to deliver fruits and vegetables.

One farm grew 160,000 pounds of fruits and vegetables in a year.

People in the city can buy fresh fruits and vegetables.
desk
salt
tree
Farmers dig in the sand for salt.

People ride bikes for fun.

The Sun evaporates water.
Farmers harvest salt by using collection ponds or salt pans.

Farmers carry boxes of salt to the customers’ cars.

Farmers break up salt chunks with rakes and shovels.
Leaves raced across the grass.
The Moon peeked over the mountaintop.

The dog ran on the beach.

The apples were shiny and ripe.
My alarm clock ______________
every morning.
buzzes loudly  screams at me  uses electricity
The Sun hides behind the cloud.

The water flows slowly over the dam.

The ducks were annoyed by the boat’s approach.

The people entered the lobby laughing and talking.
Jill’s Earnings

Axes:
- Hours (x-axis)
- Dollars (y-axis)
Number of Hours

Jill’s Earnings

Number of Dollars

Number of Hours

Number of Dollars

x

y

0 1 2 3 4

0 5 10 15 20
$1 per hour  $5 per hour  $10 per hour
<table>
<thead>
<tr>
<th>Number of Weeks</th>
<th>Number of Dollars Saved</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>3</td>
<td>15</td>
</tr>
</tbody>
</table>
Weeks

Dollars Saved

10 23

5

10

15

x

y

Mark's Savings

graph A

Weeks

Dollars Saved

10 23

5

10

15

x

y

Mark's Savings

graph B

Weeks

Dollars Saved

0 5 10 15

0 1 2 3

x

y

Mark's Savings

graph C
similar shapes
pair A

pair B

pair C
<table>
<thead>
<tr>
<th>Input ($x$)</th>
<th>Output ($y$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
</tr>
</tbody>
</table>
\[ y = x + 2 \]
graph A

graph B

graph C
<table>
<thead>
<tr>
<th>Tickets</th>
<th>Stars</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="ticket1.png" alt="Tickets Icon" /></td>
<td><img src="stars1.png" alt="Stars Icon" /></td>
</tr>
<tr>
<td><img src="ticket2.png" alt="Tickets Icon" /></td>
<td><img src="stars2.png" alt="Stars Icon" /></td>
</tr>
<tr>
<td><img src="ticket3.png" alt="Tickets Icon" /></td>
<td><img src="stars3.png" alt="Stars Icon" /></td>
</tr>
</tbody>
</table>
1 paper clip

2 pencils

6 stars
## Cost of Notebooks

<table>
<thead>
<tr>
<th>Notebooks ($n$)</th>
<th>Cost ($c$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$3</td>
</tr>
<tr>
<td>2</td>
<td>$6</td>
</tr>
<tr>
<td>3</td>
<td>$9</td>
</tr>
<tr>
<td>4</td>
<td>?</td>
</tr>
<tr>
<td>5</td>
<td>$15</td>
</tr>
</tbody>
</table>
$4 \quad $7 \quad $12
<table>
<thead>
<tr>
<th>Input (x)</th>
<th>Output (y)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>4</td>
<td>16</td>
</tr>
</tbody>
</table>

**table A**

<table>
<thead>
<tr>
<th>Input (x)</th>
<th>Output (y)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>2</td>
<td>17</td>
</tr>
</tbody>
</table>

**table B**

<table>
<thead>
<tr>
<th>Input (x)</th>
<th>Output (y)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>2</td>
<td>5</td>
</tr>
</tbody>
</table>

**table C**
soda
jacket
marker
nail

soap

milk
Vinegar
Tomato
Baking Soda
Ammonia

1 2 3 4 5 6 7 8 9 10 11 12 13 14

pH scale
to care for animals

to hope for the best

to make a grocery list
They prevent animals from spreading diseases.

They protect homes from hurricanes.

They release animals from zoos into cities.
Veterinarians give people flu vaccines.

Veterinarians check ponds for flu germs.

Veterinarians test chickens for flu germs.
skateboard  sunlight  jump rope
water
sand
food
flowers

roots

leaves
brooms
forks
stars
Gravity of Three Planets

Gravity (Compared to Earth)

Mercury | Earth | Jupiter

Mercury: 1
Earth: 2
Jupiter: 3
Weight of Football on Different Planets

- Earth: 1 pound
- Mars: 2 pounds
- Jupiter: 3 pounds

Planets:
- Earth
- Mars
- Jupiter
The force of gravity is greater on some planets than on others.

The force of gravity is the same on all planets.

Only planets farthest from the Sun have a strong force of gravity.