## edmentum

## 6th Grade Worksheet Bundle:

## Volume Two

Printable math, reading, and literacy worksheets from Edmentum Exact Path and Reading Eggspress.


Math Activities

Sten needs to put mulch on the playgrounds.
Help him find the area of each park.


$\ldots \mathrm{ft}^{2}$

## (6)



## $f t^{2}$

To make a soccer field, a park must have an area of over 1,000 $\mathrm{ft}^{2}$.
Which park above is larger than $1,000 \mathrm{ft}^{2}$ ?




## (6)


$625 \mathrm{ft}^{2}$

To make a soccer field, a park must have an area of over 1,000 $\mathrm{ft}^{2}$.
Which park above is larger than 1,000 $\mathrm{ft}^{2}$ ?

Calculate what number each letter represents in these questions.
In the box, explain how you found the answer.
(1) $12 b=24$ $b=$
$\square$
(2) $c+20=30$ $c=$
(3) $d-25=40$
$d=$

Here is an unusual square.
It is unusual because the numbers in add up to 24 in all directions.
Replace the letters with numbers to make it correct.


Calalate what number each letter represents in these questions.
In the box, explain how you found the answer.
(1) $12 b=24$ $b=2$

$$
\begin{aligned}
12 b & =24 \\
\frac{12 b}{12} & =\frac{24}{12} \\
b & =2
\end{aligned}
$$

(2) $c+20=30 \quad c=10$

$$
\begin{aligned}
c+20 & =30 \\
c+20-20 & =30-20 \\
c & =10
\end{aligned}
$$

(3) $d-25=40$

$$
d=65
$$

$$
\begin{aligned}
d-25 & =40 \\
d-25+25 & =40+25 \\
d & =65
\end{aligned}
$$

Here is an unusual square.
It is unusual because the numbers in add up to 24 in all directions.
Replace the letters with numbers to make it correct.

| 7 | $a$ | 5 | $a=$ | 12 |
| :--- | :--- | :--- | :--- | :--- |
| 6 | 8 | $b$ | $b=$10  <br> $c$ 4 | 9 |$c=11$



Algebra Hockey: A two player game.

- Cut out the cards below and place them face down on a table.
- Take turns picking up two cards.
- If they are equivalent the player scores a goal and keeps the cards.
- If they are not equivalent, and the cards go back on the table.
- The player that scores the most goals wins.


Algebra Hockey: A two player game.

- Cut out the cards below and place them face down on a table.
- Take turns picking up two cards.
- If they are equivalent the player scores a goal and keeps the cards.
- If they are not equivalent, and the cards go back on the table.
- The player that scores the most goals wins.


Draw a net for and find the surface area of each 3-D figure.
Show your work.

rectangular prism


2

triangular pyramid

Draw a net for and find the surface area of each 3-D figure.
Show your work.

rectangular prism


2

triangular pyramid

Draw a net for each shape using the grid.
1


There are 11 different nets that will form a cube.
How many can you make?
Shade in the nets on the grid below.
One has been done for you.
(2)




Draw a net for each shape using the grid.
1


Sample answers


There are 11 different nets that will form a cube.
How many can you make?
Shade in the nets on the grid below.
One has been done for you.
(2)




## Tempo Tantrum

Activity Sheet
$\qquad$

Solve the problems.
(1) What is $28 \%$ of 50 ?
(2) $28 \%$ of what number is 21 ?
(3) $60 \%$ of what number is 36 ?
$\qquad$

(13) There are 120 musicians in the orchestra. $20 \%$ of the orchestra is in the woodwinds section. How many musicians are in the woodwinds section?

$30 \%$ of the brass section play trumpet.
If 6 musicians play trumpet, how many musicians are in the brass section?

$\qquad$

Solve the problems.
(1) What is $28 \%$ of 50 ?
14

(2)$28 \%$ of what number is 21 ?
75
(3) $60 \%$ of what number is 36 ?
(4) What is $55 \%$ of 160 ?
(5) $56 \%$ of what number is 14 ?
60
(6) What is $35 \%$ of 60 ?
(7) What is $40 \%$ of 130 ?
(8) What is $18 \%$ of 150 ?

9
$5 \%$ of what number is 6 ?
(10
$30 \%$ of what number is 48 ?

What is $60 \%$ of 15 ?

$32 \%$ of what number is 40 ?

| 88 |
| ---: |
| 25 |

## 気会 Reading and Literacy

## Worksheet 1

## Lesson 211 • Assignment Fiasco

Name

## Cause and Effect

To find cause and effect, we ask why something happens and what the result is.

Highlight the words that tell us why Hannah went to sit under the tree.

Underline the words that help us work out how Josh felt when Hannah said she was going to sit under the tree.

Circle the words that show how close Hannah was to the dead snake.

## Read the passage.

> "Oh, I can't work with you," said Hannah. "This is insane. I need some air." She grabbed her books and looked out the window. "I'm going to sit under that tree."
"Wh...? Wha...? What tree?" stammered Josh. Hannah was already out the door and headed for his snake tree. All he could do was watch through the window as she walked down the stairs and sat right under the branch. He couldn't help but notice how undead the snake looked. Normally, he would have been pleased. Right now, he felt sick. Josh reckoned it would take Hannah about three seconds to notice the snake. He began to count.

## "AAAAAAAAAAHHHHHHHHHHHHHHHHHHHHHHH!"

Color the words that show how long Josh thought it would be before Hannah noticed the snake.

## Color the correct answers

1 Why did Hannah go and sit under the tree?

O It was hot and stuffy in the library.
O She thought the fresh air would help her think.
O She didn't want to work with Josh.
O She was feeling sick.

2 What effect did Hannah's decision to sit under the tree have on Josh? He felt a sense of ...
O excitement.
O disappointment.
O shock.
O pleasure.

3 What was the most likely reason there was a dead snake in the tree?
O A bird had dropped it there.
O A cat had dragged it there.
O The science class had left it there.
O Josh had put it there.

4 Why did Josh think it would take Hannah only three seconds to notice the snake? It was .. O a bright color. O right above Hannah's head. O smelling badly. O very big.
5 What happened when Hannah saw the snake? She ...
O screamed.
O fainted.
O ran away.
O reached up to touch it.

## Worksheet 2

## Lesson 211 • Assignment Fiasco

## Name

## Read the passage.

Highlight the reason Josh sat behind Hannah.
:...................

Underline the reason Hannah was excited.

Color the words that show why Hannah would still be sticking to the Assignment Quest rules if she used Emma's idea.

Hannah sat with Emma, a girl from the year above. Josh hid in the seat behind Hannah, waiting for another chance to talk to her. Then he overheard Hannah's plan.
"That is such a good idea," cried Hannah with excitement. "It gets me out of working with Super Pain and I'm not cheating or breaking any of the Assignment Quest rules."
"Exactly," agreed Emma. "You're still working in a team and you're not swapping him for someone else. You're just getting him to do what he's best at - which in this case isn't much."

They both giggled.
Josh heard Hannah say, "So what's the web address for this site, Emma? I'd better write it down."

Underline the words that
suggest that
Emma does
not have a
high opinion of
Josh's abilities.
that shows where Hannah intends to find help with her assignment.

1 Why did Josh hide in the seat behind Hannah?

2 Carefully explain why Hannah was excited.

3 What caused the girls to giggle?
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## Worksheet 1

## Lesson 216 • Out Now!

Name

## Compare and Contrast

When we compare and contrast information, we look for the similarities and differences between details in the text.

Highlight the words that give information about two of the articles for the summer issue.

Circle the words that suggest that there is a feeling of excitement about the summer issue.

Underline the sentence that helps to answer question 2.

## Read the passage.

> As I read through the articles for the summer issue, I notice there's an interesting one on making skateboards and another on secret beach huts that kids have built. Both are great for the summer issue. There's a huge buzz around the summer issue and this one is shaping up to be our biggest ever. Our readers and advertisers look forward to it as we always try to do something to make these issues different and collectable. We have a few surprises in the pipeline - which is a good sign. Putting together this issue can take eight months to plan and organize. This is fairly stressful as we still have to publish the monthly issues of Hive in the meantime.

Put a box
around the word
that suggests
that readers
like to keep the
summer issues.

Color the words that show how long it takes to plan and organize a
summer issue.

Circle the word that indicates how often Hive is published.

## Color the correct answers

1 How are the articles on skateboards and secret beach huts that kids have built similar? O They are written by the same person. O They contain the same number of words.
O Both will be included in the summer issue.
O Both are about secret projects.
2 How will the current summer issue be different from previous ones? It ...
O will be more exciting.
O contain more advertisements.
O will be more interesting.
O will be the biggest one yet.

3 What is similar about all of the summer issues? The editorial team tries to make each one ...
O more colorful.
O collectable.
O longer.
O less expensive.

4 How is the summer issue different from the monthly issues of Hive? It ... O takes longer to plan and organize.

O contains more photographs.
O contains fewer advertisements.
O targets a different audience.

## Worksheet 2

## Lesson 216 • Out Now!

## Name

## Read the passage.

Highlight the sentence that shows how the content of early magazines was different from the content of modern magazines.

Early magazines did not restrict themselves to leisure interests but often had political and religious content. In the mid-1700s, magazines did not always have what we now see as covers. Many had their cover page as a table of contents, or they began an article on the cover. The first teen magazines appeared in America and England in the 1940s. There's now a magazine for practically every imaginable interest, from fashion or food, to football or fishing.
There are more magazines today than ever before. Magazines both inform and entertain. It's this magical combination that has kept sales rising for nearly 300 years.

Color the
sentence that
suggests
that modern
magazines
cater for all
tastes.

Put a box
around the
words that
show what the main purpose of magazines has been for the last 300 years.

1 Carefully explain the differences between early and modern magazines.

2 In what way are modern magazines similar to early magazines?
$\qquad$
$\qquad$

## Worksheet 1

## Lesson $217 \bullet$ Recycling

Name

## Sequencing Events

To identify the sequence of events in a text, we usually look at numbers and words that give clues to the order in which things happen.

## Read the passage.

Circle the abbreviation for
polyethylene terephthalate.

Highlight the first step in the recycling of PET bottles

Underline the words that show how PET bottles are sorted.

Plastic stamped with identification code 1 are PET (polyethylene terephthalate) plastics, often used as soft drink, water and juice bottles.
PET bottles are recycled by separating them from other types of plastic, and sorting them into different color groups: clear, blue and green, and a mixed color group.
They are then crushed and transported to the recycler. Once there, they are sorted again, washed and then shredded into flakes. The flakes are washed, dried and melted to make new plastic products: fleece clothing, pillows, carpets, ropes, sleeping bags, life jackets, furniture, building materials - and more PET bottles.

Color the words that show where the PET bottles are taken after they have been crushed.

Underline what happens to the flakes before they are made into new plastic products.

## Color the correct answers

1 Which process happens first? PET bottles are ...
O sorted into different color groups.
O separated from other types of plastic.
O transported to the recycler.
O shredded into flakes.

2 What happens before the PET bottles are taken to the recycler? They are ...
O shredded.
○ washed.
$\bigcirc$ melted.
O crushed.

3 Which process happens last? The PET bottles are ...
O transported to the recycler.sorted into different color groups.
O crushed.
O separated from other types of plastic.

4 What happens after the PET bottles have been shredded into flakes? The flakes are ..
O sorted.
O washed.
O crushed.
O separated.

5 What is the final process before the flakes are made into new plastic products? The flakes are ... O melted. O dried. O washed. O sorted.

[^0]
## Worksheet 2

## Lesson 217 • Recycling

## Name



## Read the passage.

Highlight the first step in the recycling process

Underline what happens after the glass has been sorted.

Glass for recycling is sorted by color: clear, amber and green. Materials that contaminate the glass, such as metal bottle tops, are removed.
The glass is crushed into cullet. Cullet is often mixed with the raw materials of glass (sand, soda ash and limestone) before being melted in a furnace at up to $2,700^{\circ}$ Fahrenheit.
The molten glass is poured into molding machines and air is blown through it to shape new glass products. These are cooled down slowly before they can be used.

Put a box around the temperature at which the glass is melted.

Circle the name for crushed glass

## Worksheet 1

## Lesson 220 • Ready for Take-off

Name

## Reading Diagrams

Diagrams and pictures are often used to explain scientific or technical ideas. They help us understand the text by representing information in a visual form.

Study the text.

Highlight the word helicopters and place a tick next to the picture of a helicopter.

Put a box around the name of the most basic type of aircraft.

Color the number of the picture that indicates the military aircraft.


Circle the type of craft microlights are compared to.

Underline the words that describe the type of aircraft shown in picture 5.

Put a box around the maximum number of passengers a light aircraft can carry.

## Color the correct answers

1 What is the main purpose of the pictures in the above text? The pictures show what the aircraft mentioned in the text.
O can do.
$O$ are used for.
O look like.

2 Which picture shows a helicopter? Picture number ...
O 1
○ 2
O 3
O 4

3 Which picture shows a military aircraft? Picture number ...
O 1
○ 2
○ 3
O 4

4 Which aircraft pictured above is the most basic type of aircraft?
O the microlight
O the military aircraft
O the helicopter
O the light aircraft

## Worksheet 2

## Lesson 220 • Ready for Take-off

## Name

## Study the text.

Circle the word that means height above ground or sea level.


Circle the image of an airplane in one of the pictures.

Place a tick beside the pilot whose stripes show that he has the higher rank.

Place a cross beside the instrument that is most likely the attitude indicator.

1 Carefully explain how the pictures of aircraft instruments add to the reader's understanding of the text.
$\qquad$
$\qquad$
$\qquad$
2 If there were no text to accompany the pictures, how would the reader know that the pictures are of aircraft instruments?
$\qquad$
$\qquad$
$\qquad$
3 What do the pictures suggest about the number of pilots required to fly a large passenger plane?

## Suffixes - ous

List 1. Write the word.
luxurious
ravenous
notorious
tenacious
venomous
vivacious
obnoxious
momentous
tremendous
amphibious
zealous
precarious
voracious
ambiguous
impervious
tumultuous
anonymous conspicuous contentious
contemptuous
$\square$
$\square$
$\square$
$\square$
$\square$
$\square$
$\square$
$\qquad$
—
3. Chunks. Rearrange the chunks to make a
list word.
nous ra ve
cari pre ous $\qquad$
temp ous tu con
ous tre mend
tor ous no i
bi ous am phi
ci ten ous a
cu con spi ous
mul tu tu ous
4. Meaning. Which list word means?

Able to live on land and in water.
Very hungry or starving.
Having an unknown name or identity.
Full of noise, commotion or chaos.
Not affected by anything.
Something that is not secure, or considered dangerous.
Having more than one meaning.
Something that is obvious or easily seen.

## Suffixes - ous

## 5. Complete each sentence with a list word.

The box jellyfish is the world's most v. $\qquad$ creature.
It was an a $\qquad$ witness that reported the crime.
He was standing on top of the ladder in a p $\qquad$ position.
I was so r $\qquad$ , I ate four sandwiches and the leftover spaghetti.
His a $\qquad$ answer left us all very confused.
A frog is an a $\qquad$ creature.
Everyone put in a t $\qquad$ effort.
We stayed in a l $\qquad$ new hotel suite.
I am i $\qquad$ to his nasty comments.

## Challenge words

6. Write the word.
voluminous
precipitous prestigious ostentatious
simultaneous unscrupulous synonymous instantaneous unpretentious presumptuous
7. Word clues. Which challenge word matches? done at the same time highly esteemed
great size or quantity $\qquad$
no moral principals $\qquad$
very steep
a showy display designed to impress
happening immediately

## 8. Complete the sentence.

The word 'attempt' is s $\qquad$ with 'try'.
She is very $u$ $\qquad$ ; she never tries to show off.
It was a p $\qquad$ climb up the mountain, but we made it!
Her parents were very proud when she won the $p$ $\qquad$ award.
It was $p$ $\qquad$ of her to ask such a personal question.

## Irregular Plurals



List data
strata
series
crises
pliers
media
offspring

1. Write the word.
fishermen
tweezers
sportsmen
larvae
species
bacteria
barracks
crossroads
runners-up
salespeople $\qquad$
policewomen teaspoonsful
mothers-in-law

## 2. Name.


3. Chunks. Rearrange the syllables to make a list word.
ses cri
spoons tea ful
er fish men
di me a
racks bar
peo ple sales
ta stra
vae lar
orts men sp
lice men po wo
4. Meaning. Which list word means?

Layers of rock in the earth's surface.
Metal tools, with two arms, used for plucking hairs.
The children or young of a particular human or animal.
Microscopic organisms that cause living things to decay.
Buildings or groups of buildings used to house soldiers.
The place where two roads meet or intersect.
Insects after they have hatched, but before they become adults.

## Irregular Plurals

## 5. Complete each sentence with a list word.

We collected $\qquad$ from many different sources.
We used social $\qquad$ to help promote our school's fundraiser.
There are many different $\qquad$ of dogs.
We slowed down as we approached the $\qquad$ to avoid an accident.
When Banjo got caught in the wire fence, we used two pairs of $\qquad$ to cut him free.
After training the soldiers were sent back to their $\qquad$ .

## Challenge words

6. Write the word.
criteria
analyses
diagnoses
vertebrae
personnel
phenomena
culs-de-sac
parentheses
memorabilia
headquarters $\qquad$
7. Word clues. Which challenge word matches? bones forming the spinal column objects with sentimental value the main offices of an organization
identification of illnesses
people employed by an organization
the standards by which something is judged

## 8. Complete each sentence.

The $\qquad$ were all evacuated when the building caught fire.
The physiotherapist popped her $\qquad$ back into alignment.
My uncle has lots of football $\qquad$ in his garage.
The spy reported back to $\qquad$ after every mission.
I placed the extra information in the sentence inside $\qquad$ .

## Suffixes - ly

List 1. Write the word.
heavily
lawfully
blissfully
suddenly
regularly
remarkably
clumsily
immediately
brutally
frequently
absolutely
annually
typically
boastfully
brilliantly
separately
curiously
casually
unfortunately
ashamedly
2. Word building. Add suffixes to build words.

| sudden | suddenly |
| :--- | :--- |
| immediate |  |
| clumsy |  |
| brilliant |  |
| heavy |  |
| annual |  |
| absolute |  |
| regular |  |

3. Missing letters. Write the missing letters.
$\qquad$
boa $\qquad$ ann $\qquad$
ash_brill $\qquad$
abs___
reg
bru__ sud $\qquad$
typ__ law $\qquad$
blis $\qquad$ fre $\qquad$
curi $\qquad$ unf $\qquad$
4. Chunks. Rearrange the letters to make a list word.
mar ly kab re
en dd ly su
que nt ly fre
pi cal ly ty
so lut ab ely
a ra t ely sep
ham ed as ly
for tun ely at un
iou sly cur
ful ast bo ly
ian brill tly
tal bru ly
nu al an ly
ly mm i edi ate
lar u reg ly
ful iss ly bl

## Suffixes - ly

5. Underline the spelling mistakes. Write the word correctly.

She strolled casuely in the park on the warm summer's day.
My baby brother chekely ran away from our dad.
The diamond shone briliantely in the sunshine.
I like to exercise regulely to stay fit and healthy.
We meet anualy for a family reunion.
Ken frequentely went to the library to borrow books.
I sudenley remembered that I had baseball training and ran down to the field.

## Challenge words

6. Write the word.
traditionally
anxiously
accidentally
academically
artificially
consequently
competently
undoubtedly
aggressively
alternatively
7. Hidden words. Find the challenge word.
ahdiacademicallydgm
djhxcompetentlyxgvf sdndundoubtedlyfvd gddtraditionallyvbdb dlgsaccidentallyxbll vsdartificiallyvsdsrsd aasiugalternativelyss sdudaggressivelydvhd saopconsequentlysfes skoskanxiouslyfevxc
8. Another way to say it. Which challenge word could replace the underlined word?

I waited nervously for the doctor to tell me my results.
The red stone in her ring was synthetically produced.
I didn't get much sleep last night and therefore was very sleepy today.

He was sent to the principal after he forcefully pushed his classmate.

## Word endings - ery, ary, ory

List 1. Write the word.
literary
January
bribery
cannery
livery
trickery
planetary
legendary
imaginary
sensory
customary
advisory
artillery
centenary
accessory
adversary
compulsory
supervisory
documentary
complimentary
2. Word clues. Which list word matches?
assisting a criminal
opponent or enemy
large weapons
having to do with our senses
comes before February
existing only in your mind
3. Chunks. Rearrange the syllables to make a list word.
til y ler ar
$y$ ar er lit
$y$ ad vis or
y u Jan ar
ry so vi per su
liv $y$ er
so com ry pul
$y$ plan tar $e$
4. Sort the words.

| ery | ary | ory |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Word endings - ery, ary, ory

## 5. Complete each sentence with a list word.

They gave him a reduced sentence as he was only an a $\qquad$ to the crime.
The teacher only had c $\qquad$ things to say about her class.
A c $\qquad$ marks the hundredth anniversary of an event.
It is C $\qquad$ for the bride to wear white on her wedding day.
For our group project, we are making a d $\qquad$ about the history of our school.
There was a mix up at the c $\qquad$ and dog food was put in baked beans tins!

## Challenge words

6. Write the word.
contemporary
parliamentary $\qquad$
subsidiary
beneficiary
sedentary
contradictory $\qquad$
conciliatory
chicanery
auxiliary
supplementary
7. Word clues. Which challenge word matches? the clever use of deception
related to the subject but less important
involving little physical activity
extra support
one who will receive or inherit certain benefits
belonging to the present time

## 8. Complete each sentence.

The crew started to worry when their a $\qquad$ power shut off.
The teacher uses s $\qquad$ materials to help educate her students.
We were told to focus on the main point, disregarding all s $\qquad$ information.
My mother is the $b$ $\qquad$ of my grandfather's will.
They told c $\qquad$ stories about what really happened.


[^0]:    CCSS.ELA-LITERACY.RI.6.1 Cite textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

