

Adventures that provide the four focus areas of STEM in each rank



Kindergarten



1st Grade



2nd Grade



3rd Grade



4th Grade



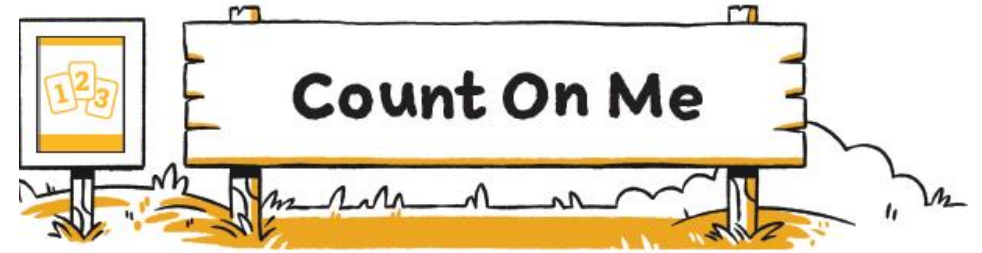
5th Grade

| Activity | Lion Adventure | Tiger Adventure | Wolf Adventure | Bear Adventure | Webelos Adventure | Arrow of Light Adventure |
|-------------|---------------------------|--------------------------|----------------------------|--------------------------|--------------------------|--------------------------|
| Science | <i>Ready Set Grow</i> | <i>Sky is the Limit</i> | <i>Digging in the Past</i> | <i>Forensics</i> | <i>Earth Rocks!</i> | <i>Into the Woods</i> |
| Technology | Everyday Tech | Tech All Around | Computing Wolves | Top Chef Tech | Tech on the Trail | High Tech Camping |
| Engineering | <i>Gizmos and Gadgets</i> | Designed By Tiger | <i>Air of the Wolf</i> | <i>Baloo the Builder</i> | Modular Design | <i>Engineer</i> |
| Math | Count on Me | Stories in Shapes | <i>Code of the Wolf</i> | Balancing Bears | Math on the Trail | Estimations |

BOLD indicates new adventure

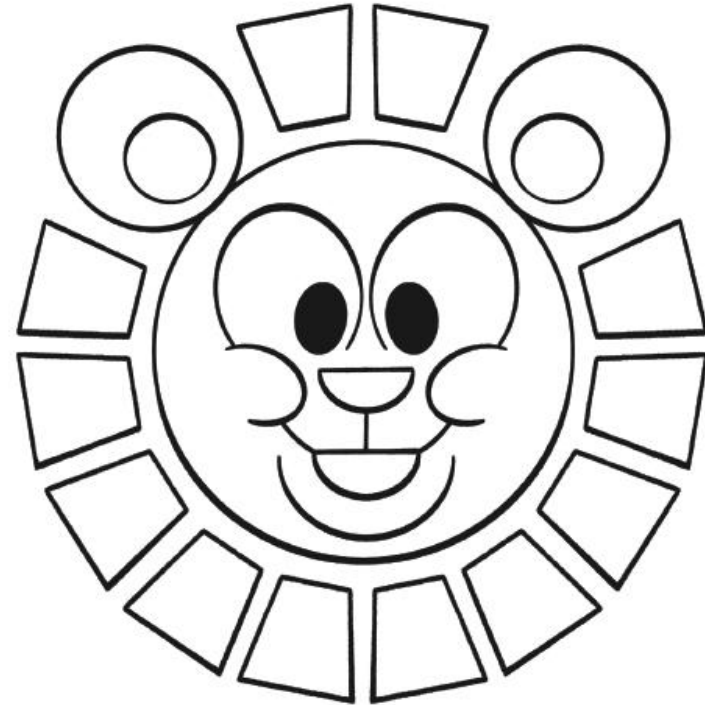
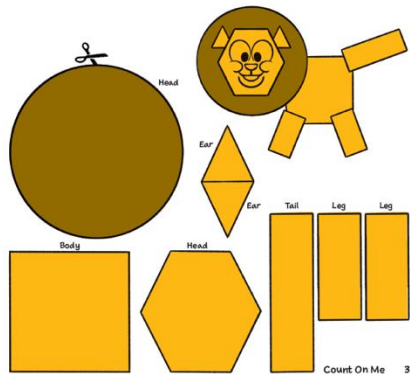
Italics indicate existing adventure

Lion – Count on Me

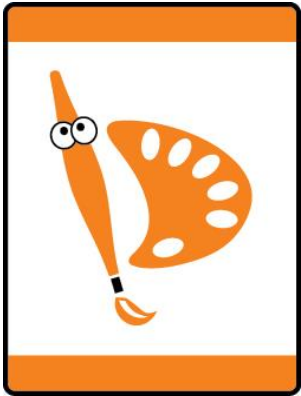


Count how many of each shape.
Write the number next to the shape below.

Cut out the shapes below. Glue or tape them together to make a lion like the one pictured here.
Draw a face on your lion. Now it's done. ROAR!



Tiger – Stories in Shapes



Do your best to sign your name using sign language.

Sign Language Alphabet

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Decorate the shapes then cut them out.
Use them to make a piece of art.

Circle

Oblong

Oval

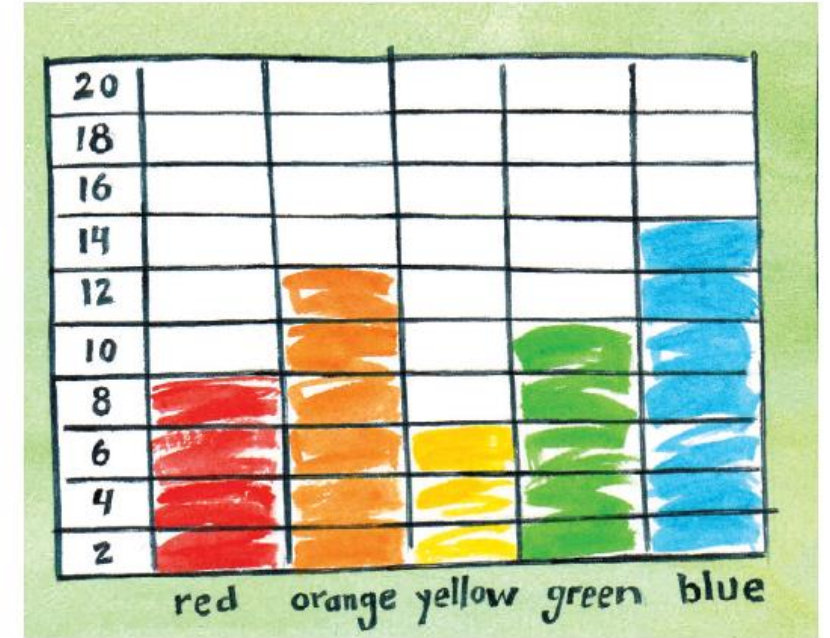
Square

Triangle

Diamond (Rhombus)

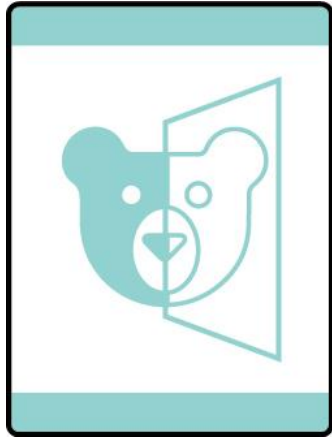


Wolf – Code of the Wolf



| | | | | | | | | | |
|--------|------|-------|--------|--------|------|-------|-------|---------|------|
| ⚡ | ⊖ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ |
| A | B | C | Ch | D | E | Ae | Eo | F | G |
| aurek | besh | cresh | cherek | dom | esk | enth | onith | forn | grek |
| ≡ | 1 | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ |
| H | I | J | K | Kh | L | M | N | Ng | O |
| herf | isk | jenth | krill | krenth | leth | mern | nerm | nen | osk |
| ⊖ | ⊖ | ⊖ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ |
| Oo | P | Q | R | S | Sh | T | Th | U | V |
| orenth | peth | qek | resh | senth | shen | trill | thesh | usk | vev |
| ⊖ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ | ⚡ |
| W | X | Y | Z | , | . | ? | ! | : | ; |
| wesk | xesh | yirt | zerek | | | | | | |
| - | ? | ' | ' | “ | ” | (|) | credits | |

Bear - Balancing Bears



$$3 + 2 = 5$$

Insects exhibit bilateral symmetry



Butterfly



Ladybird



Bee



Beetle

TRAIL MIX MATH

Name: _____ Date: _____

1. What is the total number of ingredients you used to create trail mix? _____
2. Write fractions for each of the ingredients. (HINT: This is the Fractional Unit of the whole recipe).

| | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|



Chex Cereal Chocolate Cheerios Craisins Twisted Pretzels Yogurt Chips M&M Candies

| | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|



Popcorn Reese's Pieces Stick Pretzels Marshmallows Almonds Peanuts

| | |
|--|--|
|  +  = <input type="text"/> |  +  = <input type="text"/> |
|--|--|

| | |
|--|--|
|  +  = <input type="text"/> |  +  = <input type="text"/> |
|--|--|

Webelos – Math on the Trail



1- Mile Projection Table

Record the time you walked in $\frac{1}{4}$ of a mile in the column labeled "My Time".
Use that time to calculate how long it would take you to walk until you reach 2 miles.

| Fraction of a Mile | My Time |
|--------------------------------|---------|
| $\frac{1}{4}$ | |
| $\frac{2}{4}$ or $\frac{1}{2}$ | |
| $\frac{3}{4}$ | |
| $\frac{4}{4}$ or 1 mile | |
| 2 miles | |

| TABLE 1. AVERAGE WALKING SPEED BY AGE | | |
|---------------------------------------|---------------|--------------|
| Age | Meters/second | Miles/hour |
| 20 to 29 | 1.34 to 1.36 | 3.0 to 3.04 |
| 30 to 39 | 1.34 to 1.43 | 3.0 to 3.2 |
| 40 to 49 | 1.39 to 1.43 | 3.11 to 3.2 |
| 50 to 59 | 1.31 to 1.43 | 2.93 to 3.2 |
| 60 to 69 | 1.24 to 1.34 | 2.77 to 3.0 |
| 70 to 79 | 1.13 to 1.26 | 2.53 to 2.82 |
| 80 to 89 | .94 to .97 | 2.10 to 2.17 |



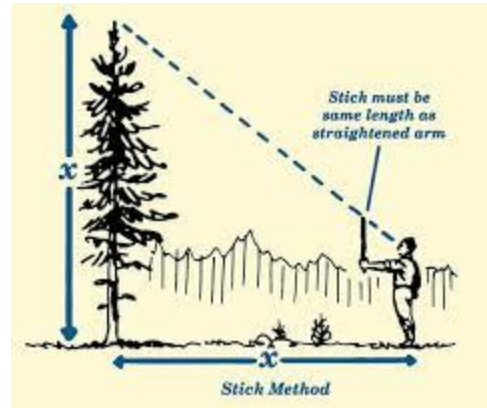
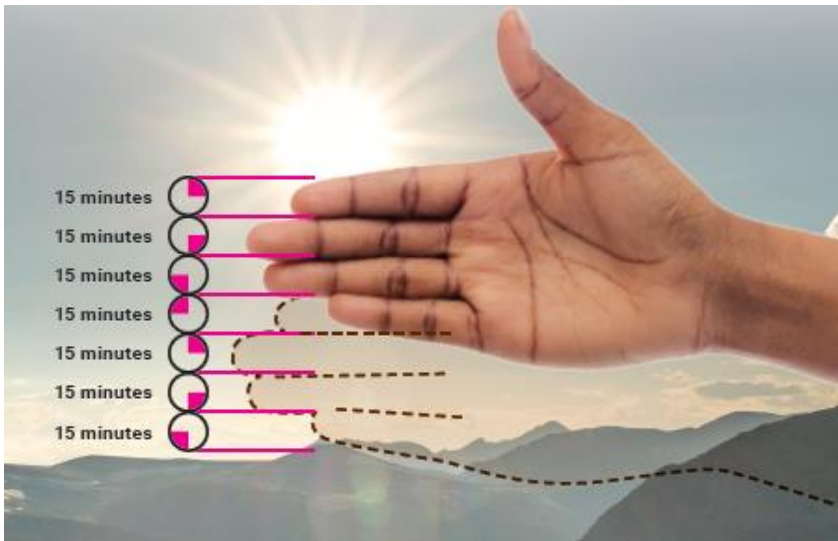
Arrow of Light - Estimations



2 cup



1 cup



1/2 cup



3-ounce



2 tablespoons