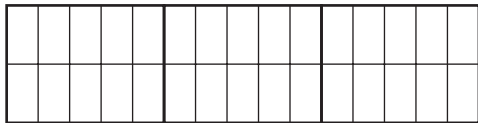


Grade One Unit One

Problems & Investigations Blacklines

- Blacklines 1.26–1.27, Butterfly Life Cycle cards, sheets 1–2 (run a copy of each sheet on cardstock and cut the cards apart.)
- Blackline 1.28, Mini Counting Mats (run several copies and cut the mini-mats apart)
- Blacklines 1.30–1.31, Beetle Life Cycle cards (run a copy of each sheet on cardstock, and cut the cards apart.)
- Blacklines 1.33–1.34, Praying Mantis Life Cycle cards (run a copy of each sheet on cardstock, and cut the cards apart.)
- Blackline 1.35, Which Numeral Will Win, 1–4? record sheet (run a class set)
- Blackline 1.38, Graphing Mat (run several copies for each pair of children. If you think it might be difficult for children to lay the papers end to end and keep them together, tape them to create long mats like the one shown below.) You will need these in Sessions 14 and 18.



- Blackline 1.41, Which Coin Won? graph (run 1 copy)

Work Place Blacklines

Run 20–30 copies and place in a folder unless otherwise indicated.

- Blacklines 1.17–1.22, Pattern Block Paper Shapes (follow instructions on blacklines. Cut enough of each pattern block shape to fill several small containers.)
- Blackline 1.35, Which Numeral Will Win, 1–4? record sheet
- Blackline 1.36, Work Places 1 Planner (run a class set. Staple a copy to each child's work folder.)
- Blackline 1.37, Which Numeral Won, 1–4? graph (run 1 copy)
- Blackline 1.38, Graphing Mats (run several copies)
- Blackline 1.39, Which Numeral Will Win, 5–8? record sheet
- Blackline 1.40, Which Numeral Won, 5–8? graph (run 1 copy)

Assessment Blacklines

Run a class set of each blackline.

- Blackline A 1.1, How Are You Feeling About Work Places?
- Blackline A 1.2, Sorting & Counting the Bugs

Home Connection Blacklines

Follow instructions found on Home Connection blacklines.

- Blacklines HC 1.1–1.3

Books & Wall Charts

Class books

Run a copy of each sheet and staple or bind into a book.

- Blacklines 1.4–1.16, Bugs Live Everywhere

Large books & wall charts

Run a copy of each page on 11" × 17" paper to create a wall chart or big book.

- Song & Poetry Portfolio, pages 1.1–1.4, The Monarch
- Song & Poetry Portfolio, pages 1.5–1.11, The Butterfly song
- Song & Poetry Portfolio, pages 1.12–1.14, Beetles song
- Song & Poetry Portfolio, pages 1.15–1.20, Praying Mantis song

Class poems & songs

Run a class set of the small version of each poem and song to give students.

- Blackline 1.23, The Monarch
- Blacklines 1.24–25, The Butterfly song
- Blackline 1.29, Beetles song
- Blackline 1.32, Praying Mantis song

Bug Picture Problems

In Sessions 6–7 students will make their own picture problems. The following supplies will be needed for each student. (You'll also need several sheets of green construction paper from which to cut any needed flaps.)

- 9" × 12" light blue construction paper
- 3" × 12" brown construction paper
- 6" × 12" green construction paper
- 3" × 3" yellow squares
- 3" × 4" white construction paper cut into a "talking bubble"



Book

The Very Hungry Caterpillar by Eric Carle (optional)

Grade One Unit Two

Problems & Investigations Blacklines

Run a class set unless otherwise indicated.

- Blackline 2.1, Bag of Buttons Addition: How Many Ways Can You Make 6?
- Blackline 2.16, Ladybug Necklace (run 5 copies on red construction paper or cardstock. Trim off print and laminate if desired. Attach yarn.)
- Blackline 2.28, Bugs in the House Subtraction record sheet
- Blackline 2.35, Counting by 10's Strip (run a copy of this sheet, cut apart, and glue pieces together to form one long strip, as shown below)

10	20	30	40	50	60	70	80	90	100
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- Blackline 2.40, Sea Star Quilt: Counting by 5's Strip (you'll also need this strip after Session 13 to assemble the finished quilt display)
- Blackline 2.41, Counting to 100 Chart
- Blackline 2.44, Who Has More Cents? Nickels & Pennies record sheet
- Blackline 2.45, Who Has More Cents? Dimes, Nickels & Pennies record sheet
- Blackline 2.46, 50 or Bust! gameboard & record sheet (run 2 class sets)

Work Place Blacklines

Run 30 copies and place in a folder unless otherwise indicated.

- Blackline 2.17, Work Places 2 Planner A (run a class set and staple a copy to the back of each student's work folder)
- Blacklines 2.18–2.22, Buttons Addition record sheet (run 10 copies of each and place in a folder)
- Blackline 2.23, Bugs in the Garden Addition record sheet
- Blackline 2.24, Spin & Write record sheet
- Blacklines 2.25–2.27, Odd & Even record sheets (run 10 copies of each sheet and cut in half. Store each half-sheet separately.)
- Blackline 2.28, Bugs in the House Subtraction record sheet
- Blackline 2.42, Work Places 2 Planner B (run a class set. Move Work Places 2 Planner A to the front of each student's work folder, replacing Work Places 1 Planner. Staple Work Places 2 Planner B to the back of each student's work folder.)
- Blackline 2.43, Hungry Shark Subtraction record sheet
- Blacklines 2.44–2.45, Who Has More Cents? record sheets (run 15–20 copies of each and place in a folder)
- Blackline 2.46, 50 or Bust! gameboard & record sheet
- Blackline 2.47, Ten & More record sheet

Assessment Blacklines

Run a class set of each sheet. Label each page with a child's name.

- Blackline A 2.1, Addition Assessment
- Blackline A 2.2, Subtraction Assessment
- Blackline A 2.3, Pattern Assessment

Home Connection Blacklines

Follow instructions found on Home Connection blacklines.

- Blacklines HC 2.1–2.2
- Blacklines HC 3.1–3.3
- Blacklines HC 4.1–4.2
- Blackline HC 5.1
- Blacklines HC 6.1–6.2

Books & Wall Charts

Large books & wall charts

Run a copy of each page listed above on 11" x 17" paper to create a wall chart or big book.

- Song & Poetry Portfolio, pages 2.1–2.6, Crab Poem
- Song & Poetry Portfolio, pages 2.7–2.15, Sea Star Poem

Class poems & songs

Run a class set of the small version of each poem to give students.

- Blackline 2.29, Crab Poem
- Blackline 2.36, Sea Star Poem

Buttons Addition Chart

You'll need to make the Button Addition Chart for use in Sessions 2–5.

- 22" x 22" butcher paper
- Blacklines 2.2–2.9, Buttons Chart Labels and Buttons Chart Squares (run 1 copy of each, cut apart on the darker lines. Glue on butcher paper as shown on following page.)
- Blacklines 2.10–2.15, Buttons Chart Doors (run 1 copy of each on cardstock, cut apart, laminate if desired)

	0	1	2	3	4	5
0						
1						
2						
3						
4						
5						

Paper Crabs and Growing Pattern Wall Chart

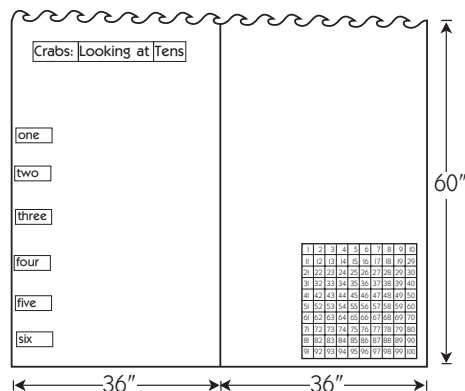
In Session 9 students will create their own cutout crabs which will be used to create a wall chart in Sessions 10–11.

Students will need

- 5" × 7" pieces of orange, blue, or light brown construction paper for making crabs (Each student will need 3 pieces of paper to make a crab.)
- 2" × 2" black squares of construction paper for eyes (1 square per student)
- 3" × 9" manila or light brown construction paper (1 piece per student)
- Blackline 2.30, Crabs (run a half-class set and place at each table to help children draw and cut their crabs)
- any books you might have that show colored pictures of crabs

To make the crab chart you'll need

- two 36" × 60" pieces of blue butcher paper glued together and trimmed at the top to look like ocean waves
- Blacklines 2.31–2.34, Crab Chart Labels (run a copy of each sheet, cut apart, and use to label the crab chart as shown)



Sea Star Quilt

In Sessions 12–14 the class will make a paper quilt. Each child will create a paper quilt block and a hand-painted paper sea star. The following supplies will be needed.

- 1" × 1" squares of turquoise construction paper (cut up six 9" × 12" sheets)
- 1" × 1" squares of tan construction paper (cut up two 9" × 12" sheets)
- 1" × 1" squares of white construction paper (cut up two 9" × 12" sheets)
- 5⁵/₈" × 5⁵/₈" squares of white construction paper (1 piece per student)
- 5⁵/₈" × 5⁵/₈" squares of tan construction paper (1 per student) for the sea star blocks
- Blackline 2.37, Sea Star Quilt Block Pattern (run a class set)
- Blacklines 2.38–2.39, Sea Star Patterns (run a copy of each sheet and use the pictures as patterns to create cardstock sea stars for children to trace around)
- Chart paper will be needed to assemble the quilt.

Paint supplies

- small squares of sponge for painting
- margarine tub lids, styrofoam meat trays, or paper plates for paint
- tempera paints in sea star colors (orange, purple, magenta, blue, white)

Crab & Sea Star Picture Problems

Students will make their own picture problems in Sessions 24–25. The following supplies (plus a few extras) will be needed for each student.

- 9" × 12" light blue construction paper
- 4" × 12" turquoise paper (could be sponge-painted with a bit of white tempera to show ocean foam)
- 3" × 12" tan paper
- 3" × 3" yellow square
- 3" × 4" white construction paper cut into a "talking bubble"
- 3" × 4" brown and manila construction paper to use for cutting rocks or flaps

Paint supplies

white tempera paint and small pieces of sponge (optional)

Grade One Unit Three

Problems & Investigations Blacklines

Run a class set unless otherwise indicated.

- Blackline 3.2, Spin & Add record sheet
- Blackline 3.4, Sea Creature cards (run 1 copy)
- Blackline 3.5, 2-Column graph (run 1 copy)
- Blackline 3.6, 3-Column graph (run 1 copy)
- Number Corner Blackline NC 2, Student Clock with hands attached (use this clock if you haven't taught time-telling)
- Blackline 3.10, An Hour or Bust! record sheet (run 2 class sets)
- Blackline 3.17, Counting to a Hundred Grid, student version

Work Place Blacklines

Run 30 copies of each blackline and place in a folder unless otherwise indicated.

- Blackline 3.1, Work Places 3 Planner A (run a class set. Move Work Places 2 Planner B to the front of each student's work folder, replacing Work Places 2 Planner A. Staple Work Places 3 Planner A to the back of each student's work folder.)
- Blackline 3.2, Spin & Add record sheet
- Blackline 3.3, Ten or Bust! record sheet
- Blackline 3.4, Sea Creature cards
- Blackline 3.5, 2-Column graph (run 15 copies and place in a folder)
- Blackline 3.6, 3-Column graph (run 15 copies and place in a folder)
- Blackline 3.8, 20¢ or Bust! record sheet
- Blackline 3.9, Work Places 3 Planner B (run a class set. Move Work Places 3 Planner A to the front of each student's work folder, replacing Work Places 2 Planner B. Staple Work Places 3 Planner B to the back of each student's work folder.)
- Blackline 3.10, An Hour or Bust! record sheet
- Blackline 3.16, Box or House? record sheet

Assessment Blacklines

Run a class set of each sheet. Label each page with a child's name.

- Blackline A 3.1, Adding Ten & More
- Blackline A 3.2, Sea Creature Counting Sheet

Home Connection Blacklines

Follow instructions found on Home Connection blacklines.

- Blacklines HC 7.1–7.4
- Blacklines HC 8.1–8.2
- Blacklines HC 9.1–9.4
- Blacklines HC 10.1–10.3

Books & Wall Charts

Large books & wall charts

Run a copy of each page on 11" × 17" paper to create a wall chart or big book.

- Song & Poetry Portfolio, pages 3.1–3.6, Lobster Song
- Song & Poetry Portfolio, pages 3.7–3.11, Whale Song

Class poems & songs

Run a class set of the small version of each poem and song to give students.

- Blackline 3.7, Lobster Song
- Blackline 3.11, Whale Song

Lobster Picture Problems

In Sessions 12–13 students will make Lobster picture problems. The following supplies (plus a few extras) will be needed for each student.

- 9" × 12" light blue construction paper
- 4" × 12" turquoise paper (this could be sponge-painted with a bit of white tempera to show ocean foam)
- 3" × 12" manila or light brown paper
- 3" × 3" yellow square
- white construction paper for a talking bubble
- brown, gray, and/or manila construction paper to use for cutting rocks or flaps

Paint supplies

white tempera paint and small pieces of sponge (optional)

A Growing Pattern of Whales Chart

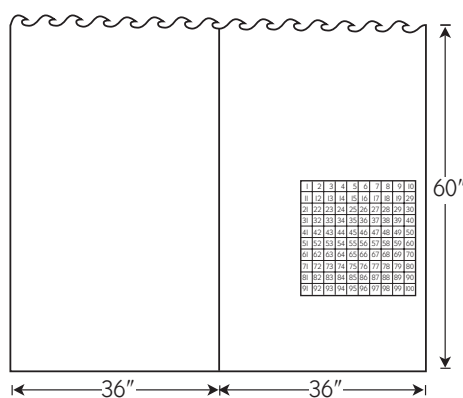
In Sessions 19–21 students will make whales which are used to create a wall chart. The following supplies will be needed.

Students will need

- Blackline 3.12, What Do You Notice About Whales? (run a half-class set. Children can have these pictures at their tables to study as they draw their own whales.)
- small pieces of grey, black, white, and light blue construction paper for making the whales or a piece of 6" × 19" white paper
- any books you can gather that include information and pictures about whales

You'll need

- two 36" × 60" pieces of blue butcher paper glued together and trimmed at the top to look like ocean waves.
- Blacklines 3.14–3.15, Counting to a Hundred Grid, sheets 1–2 (run a copy of both pages and use them to make a hundreds grid. Glue the grid to your chart before Session 21.)



Paper

For Sessions 5 and 14 you'll need

- 2 pieces of railroad board cut to $1\frac{3}{4}$ " × $1\frac{1}{2}$ " to serve as cover-up cards

Grade One Unit Five

Problems & Investigations Blacklines

Run a class set unless otherwise indicated.

- Blacklines 1.17–1.22, Pattern Block Paper Shapes (follow instructions on blacklines. Cut enough of each pattern block shape to fill several small containers.)
- Blackline 5.3, Last Shape In Wins gameboard (run a half-class set)
- Blackline 5.4, Pattern Block Puzzle sheet 2
- Blackline 5.8, Shape in My Pocket (run a copy of this sheet and choose 2–4 shapes you want to hide. Cut out the shapes you've chosen and color them red, green, or yellow.) Note: If there are more than 24 students in your class, augment the 24 manufactured Shape cards by running this blackline on cardstock and coloring the number of extra shapes you need. Cut the cards apart for use in Session 2.
- Blackline 5.11, 9-Patch Grids (run 2 class sets, plus a few extra)
- Blacklines 5.12–5.13, 12 different 9-Patch Blocks for each group of 4 students (run a quarter-class set of each sheet. Cut apart the 6 blocks on each sheet along the heavy lines.)
- Blackline 5.14, Mini-Quilt Frames
- Blackline 5.20, Shape cards (run a class set, plus extras, on cardstock.)

Work Place Blacklines

Run 30 copies and place in a folder unless otherwise indicated.

- Blackline 5.1, Work Places 4 Planner A (run a class set. Move Work Places 3 Planner B to the front of each student's work folder, replacing Work Places 3 Planner A. Staple Work Places 4 Planner A to the back of each student's work folder.)
- Blacklines 1.17–1.22, Pattern Block Paper Shapes (follow instructions on blacklines. Cut enough of each pattern block shape to fill several small containers.) Note: the Paper Pattern Block Shapes are used in Work Places 4A–4C. While 4A uses all of the shapes, 4B and 4C only require hexagons, trapezoids, triangles, and blue rhombuses
- Blackline 5.2, Pattern Block Reflections record sheet
- Blacklines 5.4–5.7, Pattern Block Puzzle sheets 2–5 (run 15 copies of each and place in a folder)
- Blackline 5.10, Will It Make a Pyramid?
- Blackline 5.15, Work Places 4 Planner B (run a class set. Move Work Places 4 Planner A to the front of each student's work folder, replacing Work Places 3 Planner B. Staple Work Places 4 Planner B to the back of each student's work folder.)
- Blacklines 5.16–5.19, How Many Triangles Does It Take? sheets 1–4 (run 15 copies of each sheet and place in a folder)
- Blackline 5.21, Will It Make a Triangular Prism?
- Blackline 5.22, Shape cards: cut & paste
- Blackline 5.23, 2–Column graph

Assessment Blacklines

Run a class set and label each page with a child's name.

- Blackline A 5.1, Shape Markers sheet
- Blacklines A 5.2–5.3, What Can You Tell Me About These Shapes?

Home Connection Blacklines

Follow instructions found on Home Connection blacklines.

- Blacklines HC 11.1–11.2
- Blacklines HC 12.1–12.2
- Blacklines HC 13.1–13.2
- Blacklines HC 14.1–14.3

Mini-Quilts

In Session 12 each student will make mini-quilts, this involves choosing and making four copies of their favorite 9-patch quilt block. Quilt blocks are developed in Sessions 10–11.

- construction paper in two different colors, cut into 1 squares (You'll probably need a couple hundred squares in each color you choose. If you want to make these Mini-Quilts very special, make one of the selections a solid color and the other a gift wrap or hand-painted paper.)

3-D Shapes

Four of the whole group sessions in this unit feature 3-dimensional objects. You'll need the following beginning in Session 7.

- Examples of 3-D objects that match the 3-D cards (cube, pyramid, cylinder, triangular prism, rectangular prism and a sphere.) You'll need one example of each to show the children, plus other examples to "plant" around the room for the children to find (the more the better). Items to collect include—dice, cube-shaped blocks, cereal box, oatmeal box, tennis ball, cans of food, a prism. Build a triangular prism and a pyramid out of polydrons if you can't find anything else.
- Models of simple 3-dimensional shapes made with polydrons—a cube, a triangular prism, and a pyramid (These will be useful as models as students make their own 3-D shapes with toothpicks and gumdrops.)