imagine IM®

Grade 1

Teacher Resource Pack (TRP) Sampler

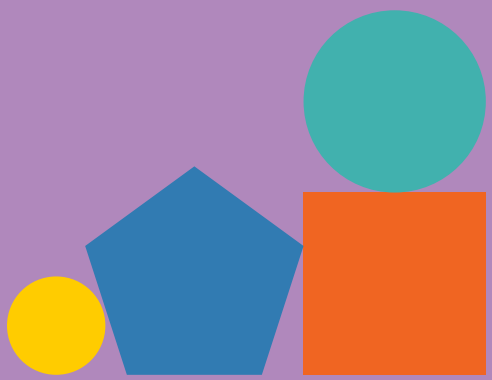
This Imagine IM Teacher Resource Pack Sampler includes selections of the following materials:

- Lesson Blackline Masters
- Assessments
- Center Materials

These materials are available as print reproducibles in the complete Teacher Resource Packs and online from the digital platform.

Family Support Materials	2
Lesson Blackline Masters	5
Unit Assessments	26
Center Materials	31

*The sampler features materials from Grade 1 Unit 2.
The resources are representative of what you will see in all of the units.



imagine learning

Unit 2

Family Support Materials

In this unit, students solve new types of story problems within 10 and learn new ways to think about adding and subtracting. They develop an understanding of the meaning of the equal sign and connect story problems to equations.

Section A: Add To and Take From Story Problems

In this section, students revisit familiar story problem types. Students use their bodies, objects, and drawings to act out stories where an amount is added or taken away. Students also work with problems where they have to figure out how much is being added:

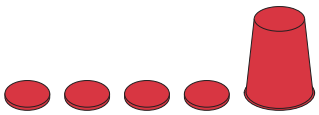
Diego had 7 pencils.
His sister gave him some pencils.
Now, Diego has 9 pencils.
How many pencils did Diego's sister give him?

Students see that they can think about these problems as "7 and some number is 9". They use objects or drawings to act out adding the unknown amount. They also think about ways to count to find how much was added. For example, they may use objects or fingers to keep track of counting on to 9 (7 … 8, 9. There are 2 more pencils.).

Section B: Put Together/Take Apart Problems

In this section, students solve problems where there are no actions (like getting more of something or taking something away). In these problems, there are two (2) groups and a total number of objects. In some problems students find the total. In other problems the total is given and they find one or both unknown groups. Students solve problems in the context of *Shake and Spill*, a game that uses two-color counters. Counters are put into a cup and spilled out. Students make observations about what they see or different combinations that might occur. Students also play a version of the game where they know the total number of counters, but some counters are hidden.

There are 9 counters total.
How many counters are under the cup?



With this type of problem, students may think about it as "4 and something is 9." They learn they can think about how many to add on to 4 to get to 9. They also see that they can start with 9, remove 4, and count what is left. This helps students develop an understanding of how addition and subtraction are related.

Unit 2

Family Support Materials

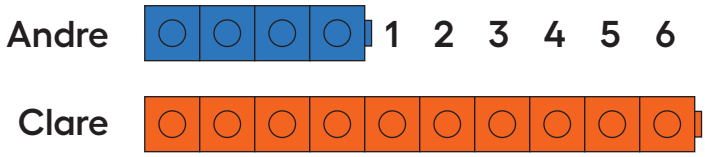
Section C: Compare Story Problems

In this section, students solve story problems where they find "how many more" or "how many fewer" one group has than another group, such as:

There are 8 glue sticks and 3 scissors at the art station.
How many fewer scissors are there than glue sticks?

Students learn that these problems have a greater amount, a lesser amount, and a difference. They start by considering ways to match the amounts and count the difference. For example:

How many more cubes does Clare have than Andre?



For this problem, students may count the cubes in Clare's tower that are unmatched. Others may remove the matched cubes (4) and count the remaining cubes in Clare's tower. Students analyze addition equations (4 + 6 = 10) and subtraction equations (10 – 4 = 6) and see that they can both be used to represent the problem.

Section D: All Kinds of Story Problems

This section brings the work of the unit together as students solve a variety of problem types. Students match equations to story problems and write their own equations to match story problems. They make sense of and use equations with a symbol for the unknown, such as 10 = ☐ + 6.

Unit 2

Family Support Materials

Try it at home!

Near the end of the unit, ask your first grader to solve the following word problems:

1. Clare has 8 pencils. Andre has 10 pencils. How many more pencils does Andre have?

Solution: Andre has 2 more pencils than Clare.

2. Diego has 6 pens. His mother gives him some pens. Now he has 9 pens. How many pens does Diego's mother give him?

Solution: Diego's mom gives him 3 pens.

Questions that may be helpful as they work:

- How could you draw the problem?
- How can you count on or take away to find the answer?
- What equation can you write to represent this problem?

Sample responses:

- For the first problem, I can draw 8 boxes to represent Clare's pencils. Underneath, I can draw 10 boxes to represent Andre's pencils. I can count and label to show how many more Andre has.
- For the second problem, I can draw 6 pens. Then I can keep drawing more pens until I get to 9 pens. I will circle and label the new pens to represent my answer.
- For the first problem, I can start counting at 10 and stop when I get to 8: 10, … 9, 8. I counted back 2 numbers. For the second problem, I can start at 6 and count on until 9: 6, … 7, 8, 9.
- $8 + 2 = 10$ or $10 - 8 = 2$.
- $6 + 3 = 9$ or $9 - 3 = 6$.

Unit 2 Family Support video



Go Online

Go online to find videos for this unit.

ilclass.com/r/10431071

Please log in to the site before using the QR code or URL.

Unit 2

Lesson Blackline Masters

lesson and activity	title	students per copy	written on	requires cutting	card stock needed	color paper needed	multiple use	center material	page number
5.1	Math Stories Stages 1 and 4 Pictures	8	no	no	no	no	yes	yes	94
5.1	Math Stories Stage 4 Recording Sheet	2	yes	no	no	no	no	yes	102
7.1	Shake and Spill Stage 3 Recording Sheet	1	yes	no	no	no	no	yes	90
8.1	Shake and Spill Stages 4 and 5 Recording Sheet	1	yes	no	no	no	no	yes	91
10.1	Capture Squares Stage 1 Gameboard	2	yes	no	no	no	no	yes	92
16.1	Capture Squares Stage 2 Gameboard	2	yes	no	no	no	no	yes	93
17.1	Card Sort Match Stories and Equations Equation Cards	2	no	yes	no	no	no	no	45
17.1	Card Sort Match Stories and Equations Story Cards	2	no	yes	no	no	no	no	47

Unit 2

Lesson Blackline Masters

lesson and activity	title	students per copy	written on	requires cutting	card stock needed	color paper needed	multiple use	center material	page number
18.2	Card Sort Match Stories and Equations Equation Cards	2	no	yes	no	no	no	no	45
18.2	Card Sort Match Stories and Equations Story Cards	2	no	yes	no	no	no	no	47
21.3	Number Puzzles Addition and Subtraction Stage 1 Gameboard	2	no	no	no	no	yes	yes	77
21.3	Number Puzzles Digit Cards	14	no	yes	no	no	yes	yes	82
22.1	Math Stories Stage 1 and 4 Pictures	8	no	no	no	no	yes	yes	94
22.1	Math Stories Stage 4 Recording Sheet	2	yes	no	no	no	no	yes	102
22.1	Card Sort Match Stories and Equations Equation Cards	2	no	yes	no	no	no	no	45
23.1	Card Sort How Much Information Cards	2	yes	yes	no	no	no	no	52

All resources are available on your district's *ILClassroom.com* site to support printing and copying.

Card Sort: Match Stories and Equations

J

$7 + 2 = \square$

Card Sort: Match Stories and Equations

K

$9 = 5 + \square$

Card Sort: Match Stories and Equations

L

$4 + 5 = \square$

Card Sort: Match Stories and Equations

M

$9 - 6 = \square$

Card Sort: Match Stories and Equations

N

$9 - 5 = \square$

Card Sort: Match Stories and Equations

O

$9 = \square + \square$

Card Sort: Match Stories and Equations

P

$4 + \square = 9$

Card Sort: Match Stories and Equations

Q

$6 + \square = 9$

Card Sort: Match Stories and Equations

R

$9 - 4 = \square$

Card Sort: Match Stories and Equations

S

$9 - 3 = \square$

© Imagine Learning © Illustrative Mathematics

Card Sort: Match Stories and Equations

T

$9 = 7 + \square$

Card Sort: Match Stories and Equations

U

$3 + \square = 9$

Card Sort: Match Stories and Equations

V

$9 - 7 = \square$

© Imagine Learning © Illustrative Mathematics

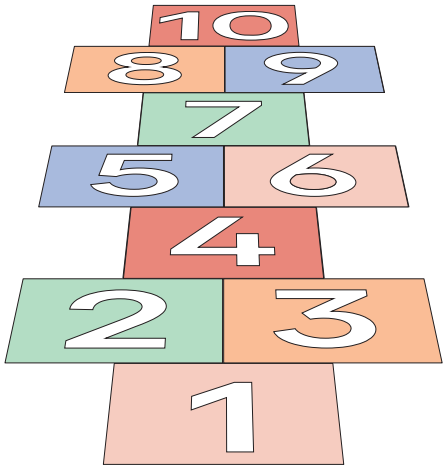
Card Sort: Match Stories and Equations

A

7 kids play hopscotch.

2 more come to play.

How many kids play hopscotch now?



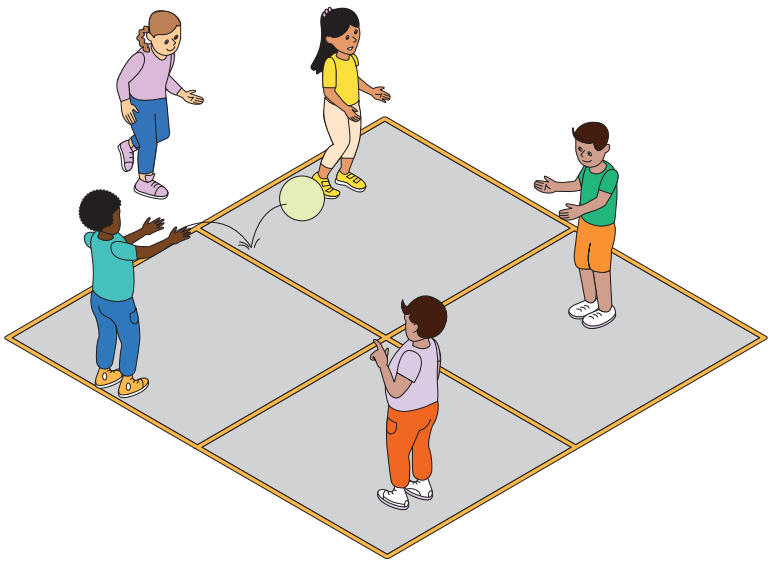
Card Sort: Match Stories and Equations

B

4 kids play basketball.

5 kids play 4-square.

How many kids play all together?



© Imagine Learning © Illustrative Mathematics

Card Sort: Match Stories and Equations

C

9 kids are at the slide.

6 kids leave.

How many kids are at the slide now?



Card Sort: Match Stories and Equations

D

9 kids play ball.

5 kids are on the red team.

The rest are on the blue team.

How many kids are on the blue team?



© Imagine Learning © Illustrative Mathematics

Card Sort: Match Stories and Equations

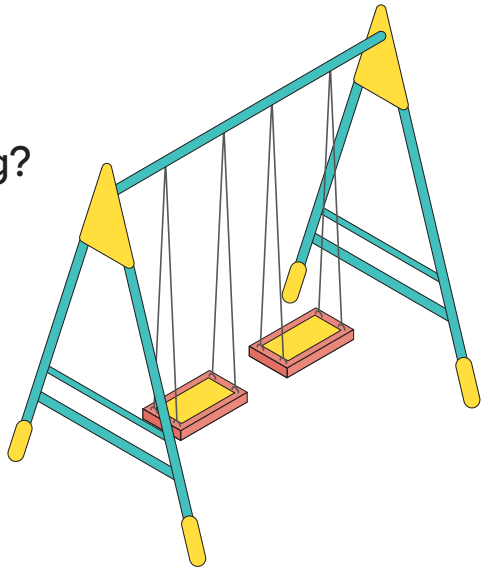
E

6 kids are on the swings.

Some more kids come to swing.

Now there are 9 kids.

How many kids came to the swing?



Card Sort: Match Stories and Equations

F

3 kids play tag.

9 kids run races.

How many more kids run races than play tag?



© Imagine Learning © Illustrative Mathematics

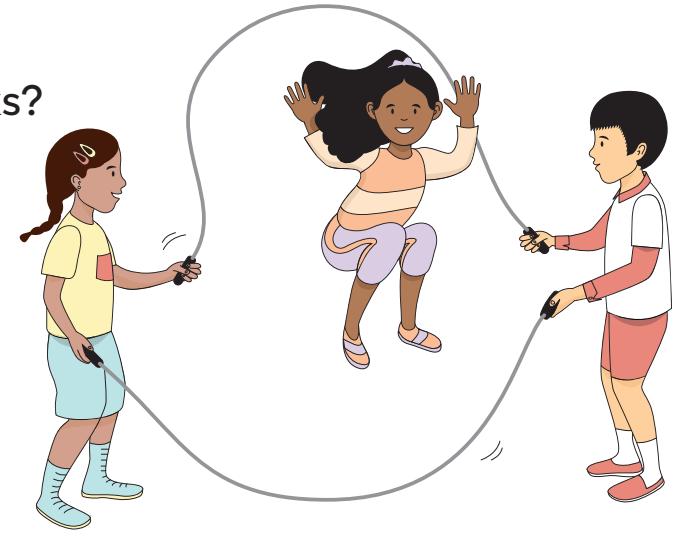
Card Sort: Match Stories and Equations

G

9 kids jump rope.

4 kids play jacks.

How many fewer kids jump rope than play jacks?



Card Sort: Match Stories and Equations

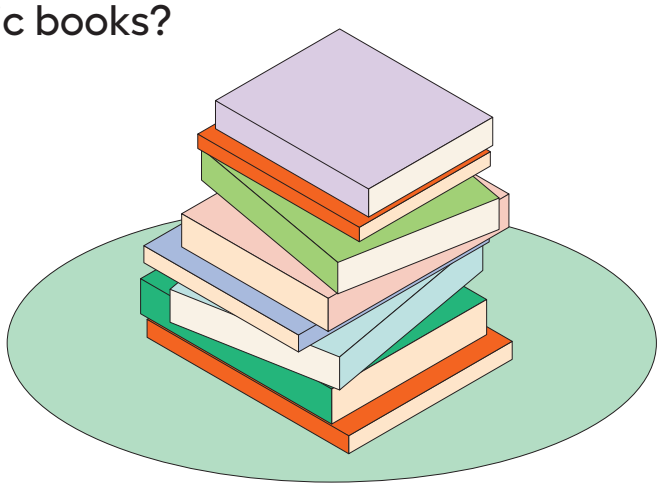
H

9 kids read.

7 kids read picture books.

The rest read comic books.

How many kids read comic books?



© Imagine Learning © Illustrative Mathematics

Card Sort: Match Stories and Equations

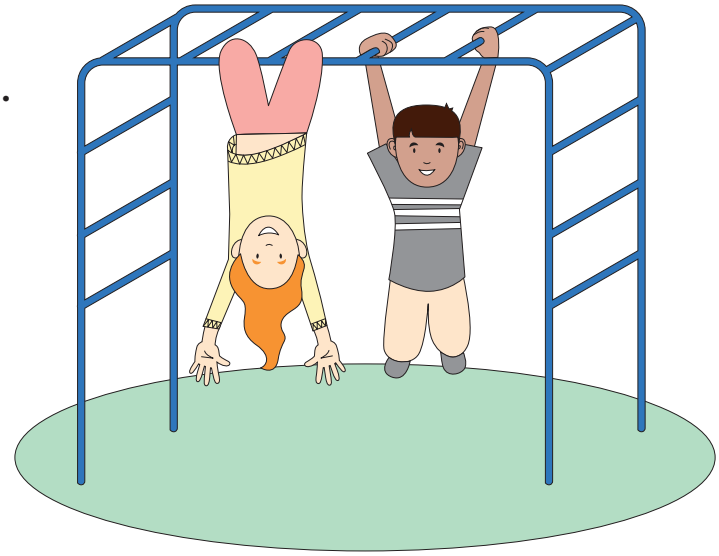
I

9 kids can fit on the jungle gym.

Some hang by their legs.

Some hang by their arms.

Show how 9 kids could look on the jungle gym.



© Imagine Learning © Illustrative Mathematics

Card Sort: How Much Information?

A

Diego read 3 books this summer.

Jada read 5 books.

Tyler read 6 books.

How many more books did Tyler read than Jada?

Card Sort: How Much Information?

B

Priya had 5 pencils and 4 erasers.

She buys some more erasers.

Now she has 7 erasers.

How many more erasers did Priya buy?

Card Sort: How Much Information?

C

Clare has 7 pencils.

How many more pencils does Clare have Elena?

Card Sort: How Much Information?

D

Noah has 10 counters on his desk.

3 are red and 7 are yellow.

Noah puts some counters in his cup.

How many counters are still on Noah's desk?

Card Sort: How Much Information?

E

Kiran has 8 carrots in his lunch box.

He eats some of his carrots.

How many carrots does Kiran have now?

Card Sort: How Much Information?

F

Lin has 3 red counters and 5 yellow counters.

She turns 3 of the yellow counters over to be red.

How many counters does Lin have in all?

© Imagine Learning © Illustrative Mathematics

Name	Date

LESSON 2 COOL-DOWN

Books on the Shelf

Mai put 4 books on the shelf.

Then Noah put 3 books on the shelf.

How many books are on the shelf now? _____

Show your thinking using drawings, numbers, or words.

Name	Date

LESSON COOL-DOWN

4 Mai's Books

Mai has 3 books.

She gets some more books from the library.

Now she has 7.

How many more books did Mai get? _____

Show your thinking using drawings, numbers, or words.

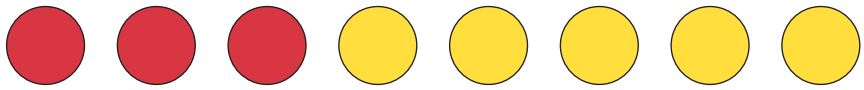
Name	Date

LESSON 7 COOL-DOWN

Priya Plays Shake and Spill

Priya plays *Shake and Spill* using 8 two-color counters.

This is how her counters look.



Write 2 addition expressions to match the counters.

expression: _____

expression: _____

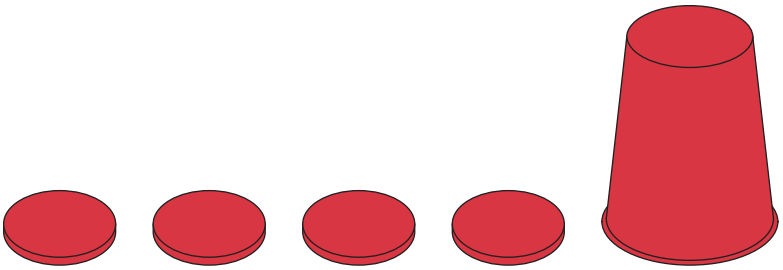
Name	Date

LESSON COOL-DOWN

8 Clare Plays Shake and Spill—Cover

Clare played a round of *Shake and Spill—Cover* using 9 counters.

Her counters look like this.



How many counters are under the cup? _____

Show your thinking using drawings, numbers, or words.

Name	Date

LESSON COOL-DOWN

20 Beans and Rocks

5 students play with beans.

8 students play with small rocks.

How many more students play with rocks than beans? _____

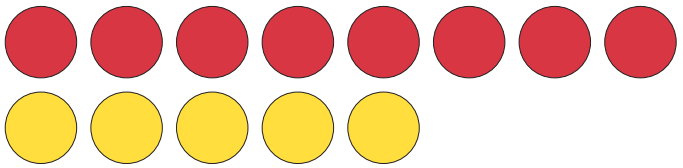
Show your thinking using drawings, numbers, or words.

Name	Date

End-of-Unit Assessment

1. Use the picture to find the value of 8 – 5.

Show your thinking using drawings, numbers, or words.



2. Tyler collects 6 footballs.

Then he collects some baseballs.

Altogether, Tyler collects 10 balls.

How many baseballs did Tyler collect? _____

Show your thinking with drawings, numbers, or words.

Write an equation to match the story problem.

_____

3. Priya read 9 books.

Tyler read 5 books.

How many more books did Priya read than Tyler? _____

Show your thinking with drawings, numbers, or words.

Write an equation to match the story problem.

_____

4. Mai drew 2 stars.

Then she drew some hearts.

Now there are 8 shapes altogether.

How many hearts did Mai draw? _____

Circle **2** equations that match the story.

A ☐ − 8 = 2

B 2 + ☐ = 8

C 8 − 2 = ☐

D ☐ + 2 = 10

E 2 + 8 = ☐

5. Kiran plays *Shake and Spill* with 7 counters.

2 counters are red.

How many counters are yellow? _____

Circle **2** equations that match the story.

(A) 7 − 2 = ☐

(B) 7 + 2 = ☐

(C) 9 − 7 = ☐

(D) 7 = 2 + ☐

(E) 2 + 5 = ☐

6. Find the number that makes each equation true.

a. ☐ + 3 = 9

b. 5 = 2 + ☐

Unit 2

Unit Assessments

assessment	title	students per copy	page number
Section A Checkpoint	Add To and Take From Section Checkpoint	0	70
Section B Checkpoint	Put Together Take Apart Story Problems Section Checkpoint	0	71
Section C Checkpoint	Compare Story Problems Section Checkpoint	0	72
Section D Checkpoint	All Kinds of Story Problems Section Checkpoint	0	73

All resources are available on your district's *ILClassroom.com* site to support printing and copying.

Add To and Take From Section Checkpoint					1 of 1
Grade 1, Unit 2 Section A Checkpoint	• Solve Add To and Take From, Result Unknown and Add To, Change Unknown problems. • Understand the meaning of the equal sign.				
	Retell the story.	Represent the story with objects or drawings.	Represent the story with expressions.	Explain how their representation matches the story.	Answer the question correctly.

© Imagine Learning © Illustrative Mathematics

Put Together Take Apart Story Problems Section Checkpoint				1 of 1
Grade 1, Unit 2 Section B Checkpoint	• Solve Put Together/Take Apart problems with unknowns in different positions. • Relate addition and subtraction.			
	Retell the story.	Represent the story with objects or drawings.	Explain how their representation matches the story.	Answer the question correctly.

© Imagine Learning © Illustrative Mathematics

Compare Story Problems Section Checkpoint				1 of 1
Grade 1, Unit 2 Section C Checkpoint	• Solve Compare, Difference Unknown problems. • Relate addition and subtraction.			
	Retell the story.	Represent the story with objects or drawings.	Explain how their representation matches the story.	Answer the question correctly.

© Imagine Learning © Illustrative Mathematics

All Kinds of Story Problems Section Checkpoint					1 of 1
Grade 1, Unit 2 Section D Checkpoint	• Solve different types of story problems, limited to those learned in this unit. • Represent story problems with equations.				
	Retell the story.	Represent the story with objects or drawings.	Represent the story with equations.	Explain how their representation matches the story.	Answer the question correctly.

© Imagine Learning © Illustrative Mathematics

Unit 2

Center Materials

center	title	students per copy	written on	requires cutting	card stock needed	color paper needed	used multiple times	page number
Sort and Display (1–3): 1	Sort and Display Stage 1 Recording Sheet	1	yes	no	no	no	no	76
Number Puzzles: Addition and Subtraction (1–5): 1	Number Puzzles Addition and Subtraction Stage 1 Gameboard	2	no	no	no	no	yes	77
Number Puzzles: Addition and Subtraction (1–5): 1	Number Puzzles Digit Cards	14	no	yes	no	no	yes	82
Find the Pair (K–1): 2	Find the Pair Stage 2 Recording Sheet	1	yes	no	no	no	no	83
Find the Pair (K–1): 2	Number Cards 0–10	2	no	yes	yes	no	yes	84
What's Behind My Back? (K–2): 3	What's Behind My Back Stage 3 Recording Sheet	1	yes	no	no	no	no	88
Shake and Spill (K–2): 3	Shake and Spill Stage 3 Recording Sheet	1	yes	no	no	no	no	90
Shake and Spill (K–2): 4	Shake and Spill Stages 4 and 5 Recording Sheet	1	yes	no	no	no	no	91
Capture Squares (1–5): 2	Capture Squares Stage 2 Gameboard	2	yes	no	no	no	no	93
Capture Squares (1–5): 2	Number Cards 0–10	2	no	yes	yes	no	yes	84

Unit 2

Center Materials

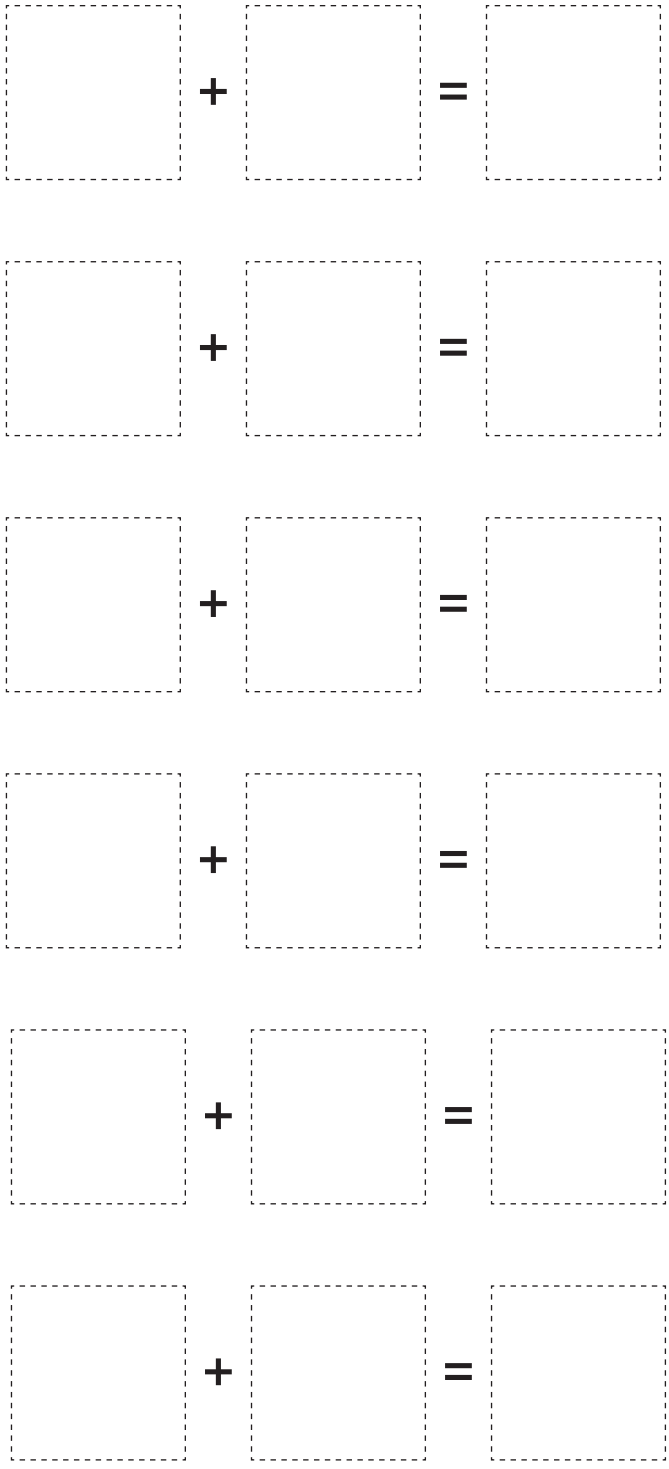
center	title	students per copy	written on	requires cutting	card stock needed	color paper needed	used multiple times	page number
Math Stories (K–2): 4	Math Stories Stages 1 and 4 Pictures	8	no	no	no	no	yes	94
Math Stories (K–2): 4	Math Stories Stage 4 Recording Sheet	2	yes	no	no	no	no	102
Capture Squares (1–5): 1	Capture Squares Stage 1 Gameboard	2	yes	no	no	no	no	92
13.1	1–9							
13.1	Math Fingers Stage 4 Recording Sheet	1	yes	no	no	no	yes	100
13.2	10-frame	1	no	no	yes	no	yes	12
14.1	What's Behind My Back Stage 2 Recording Sheet	1	yes	no	no	no	yes	50

All resources are available on your district's *ILClassroom.com* site to support printing and copying.

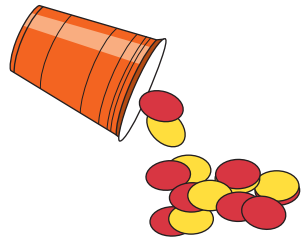
Directions:

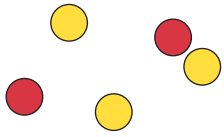
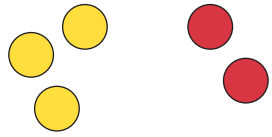
- Sort your objects into 2 or 3 categories.
- Show how you sorted on paper. Use the space below.
- Ask your partner a question that can be answered by your work.

© Imagine Learning © Illustrative Mathematics



© Imagine Learning © Illustrative Mathematics



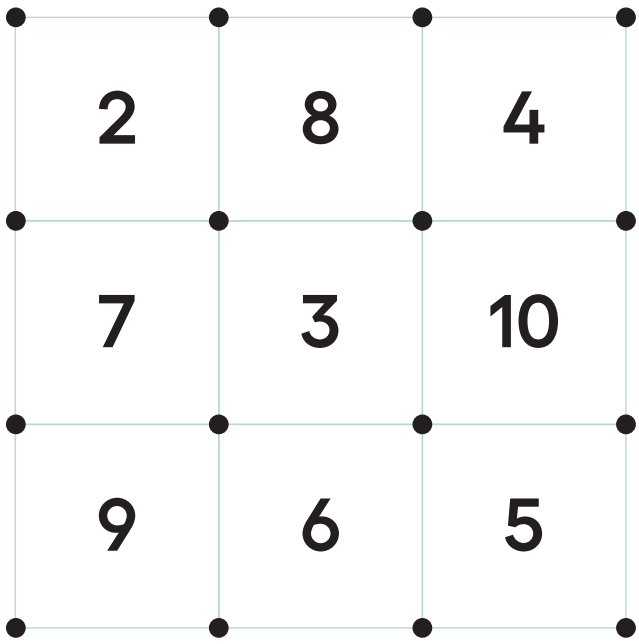
total counters	expression
	
	+
	+
	+
	+
	+
	+

© Imagine Learning © Illustrative Mathematics

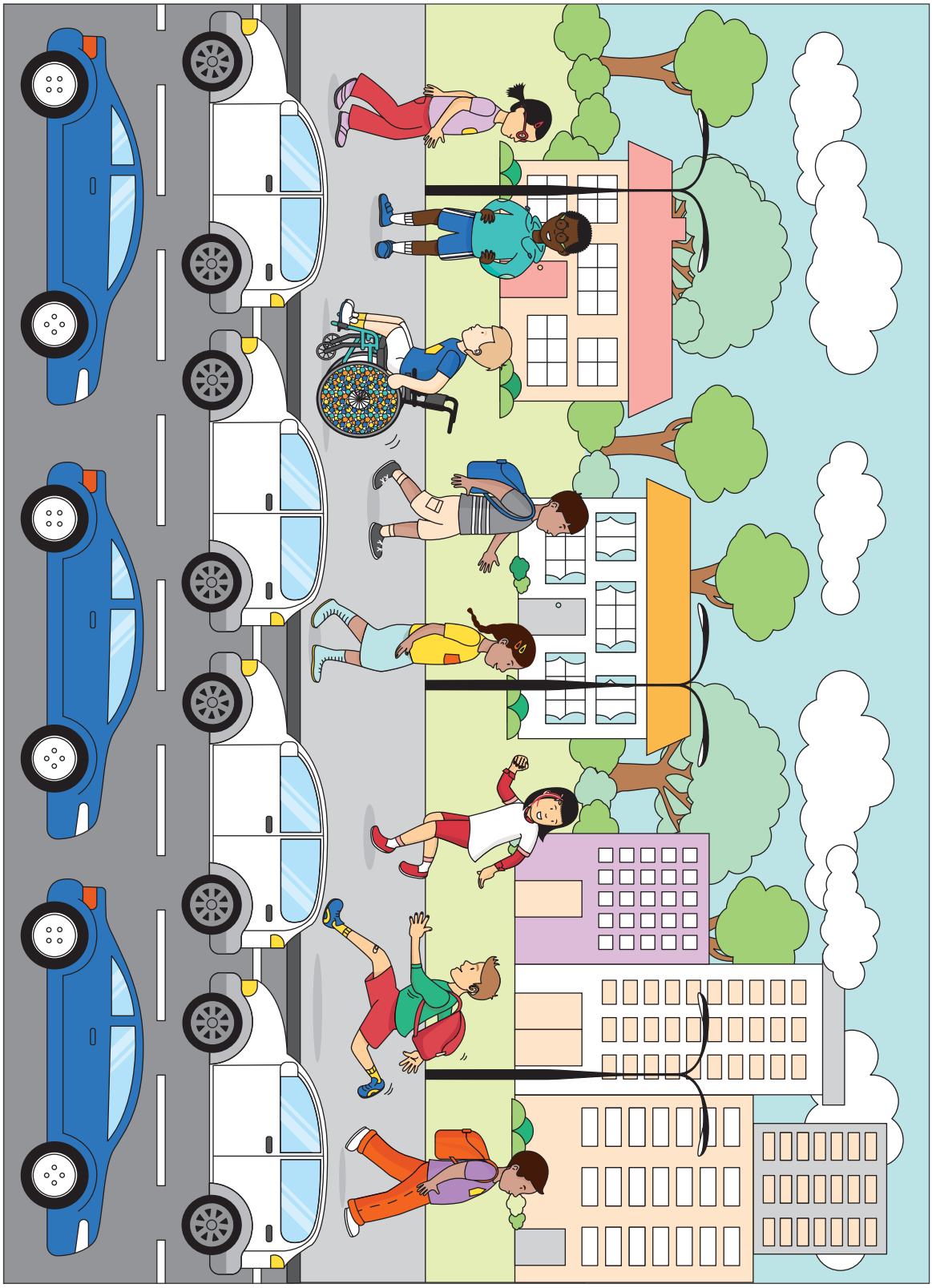
Directions:

- On your turn:
  - Roll 2 number cubes. Find the sum.
  - Choose a square on the gameboard that shows that number.

    Draw 1 line to connect any 2 dots around the number.
  - If you can't draw a line, roll again.
  - If you draw a line that finishes a square around a number, shade in that square.
- Take turns. The first player to shade in 3 squares wins.

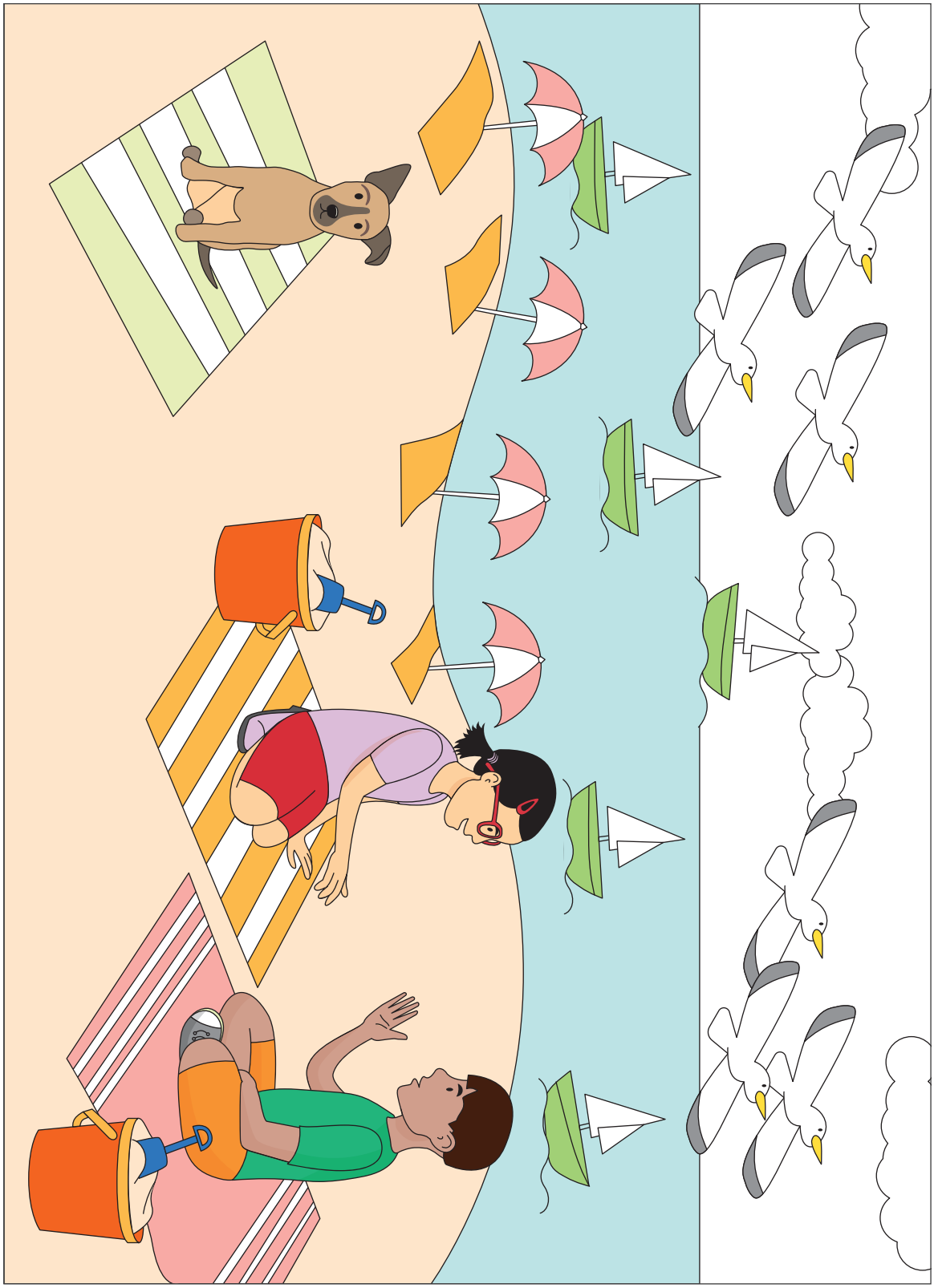


© Imagine Learning © Illustrative Mathematics



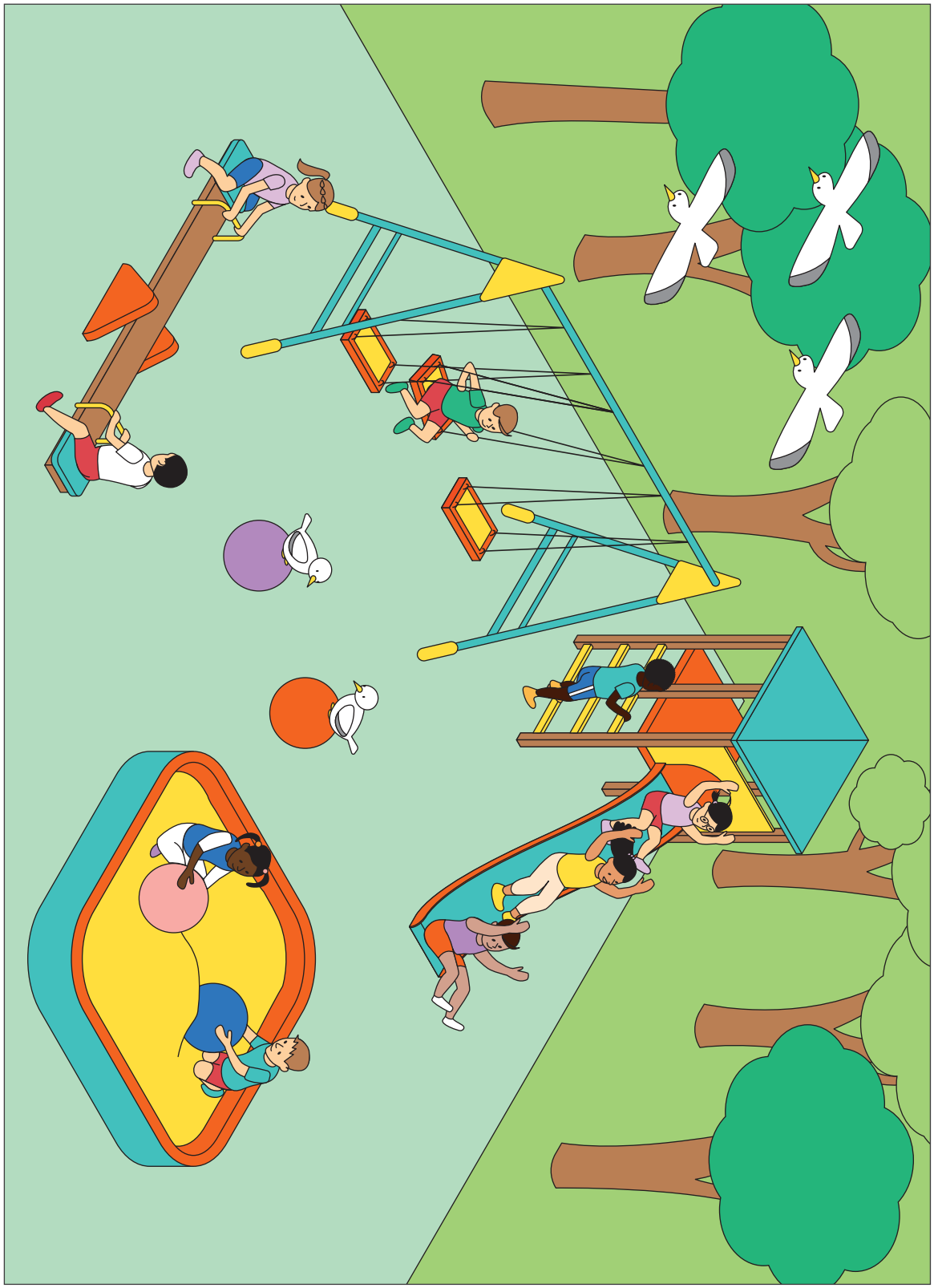
Picture A

© Imagine Learning © Illustrative Mathematics



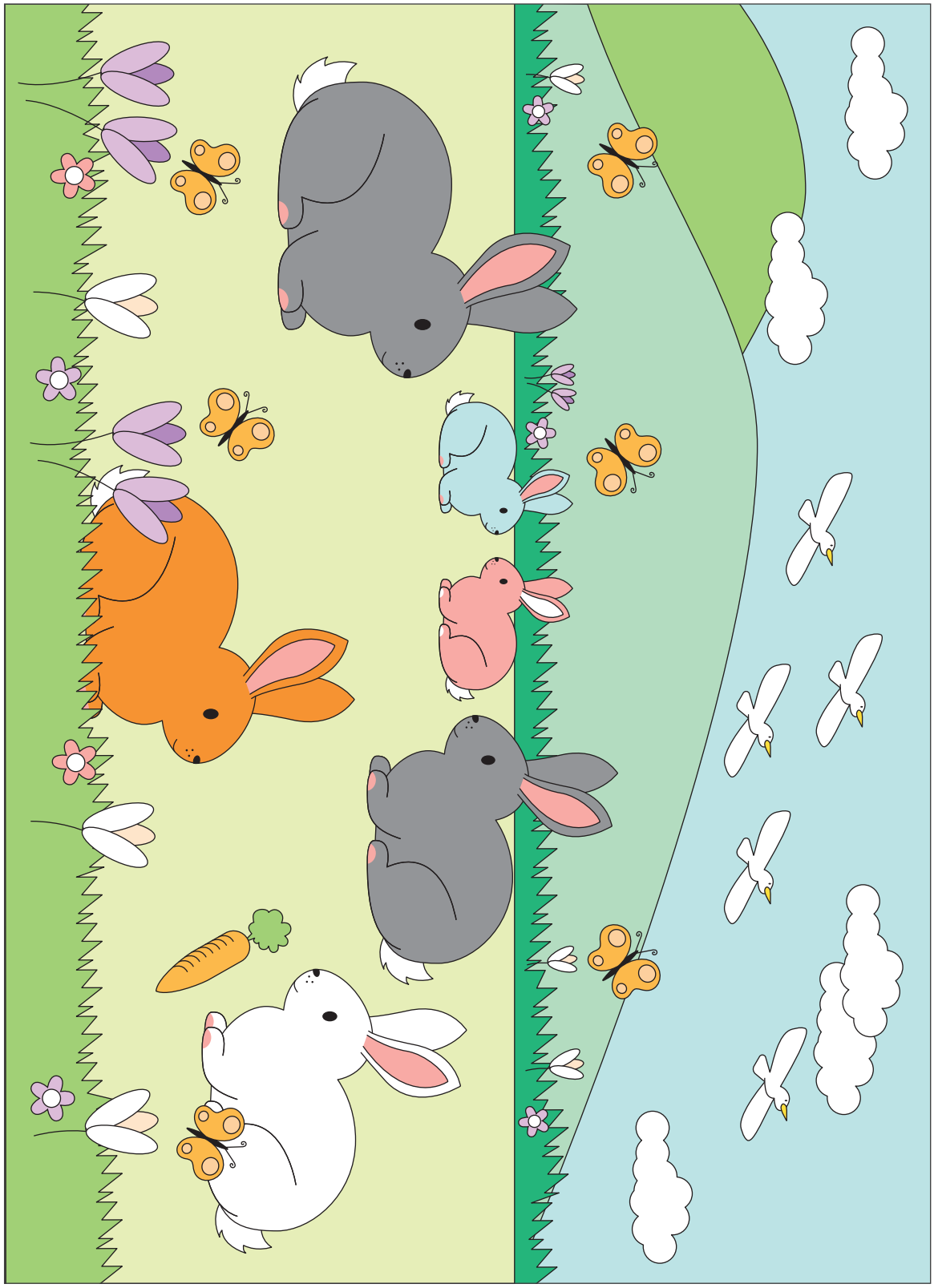
Picture B

© Imagine Learning © Illustrative Mathematics



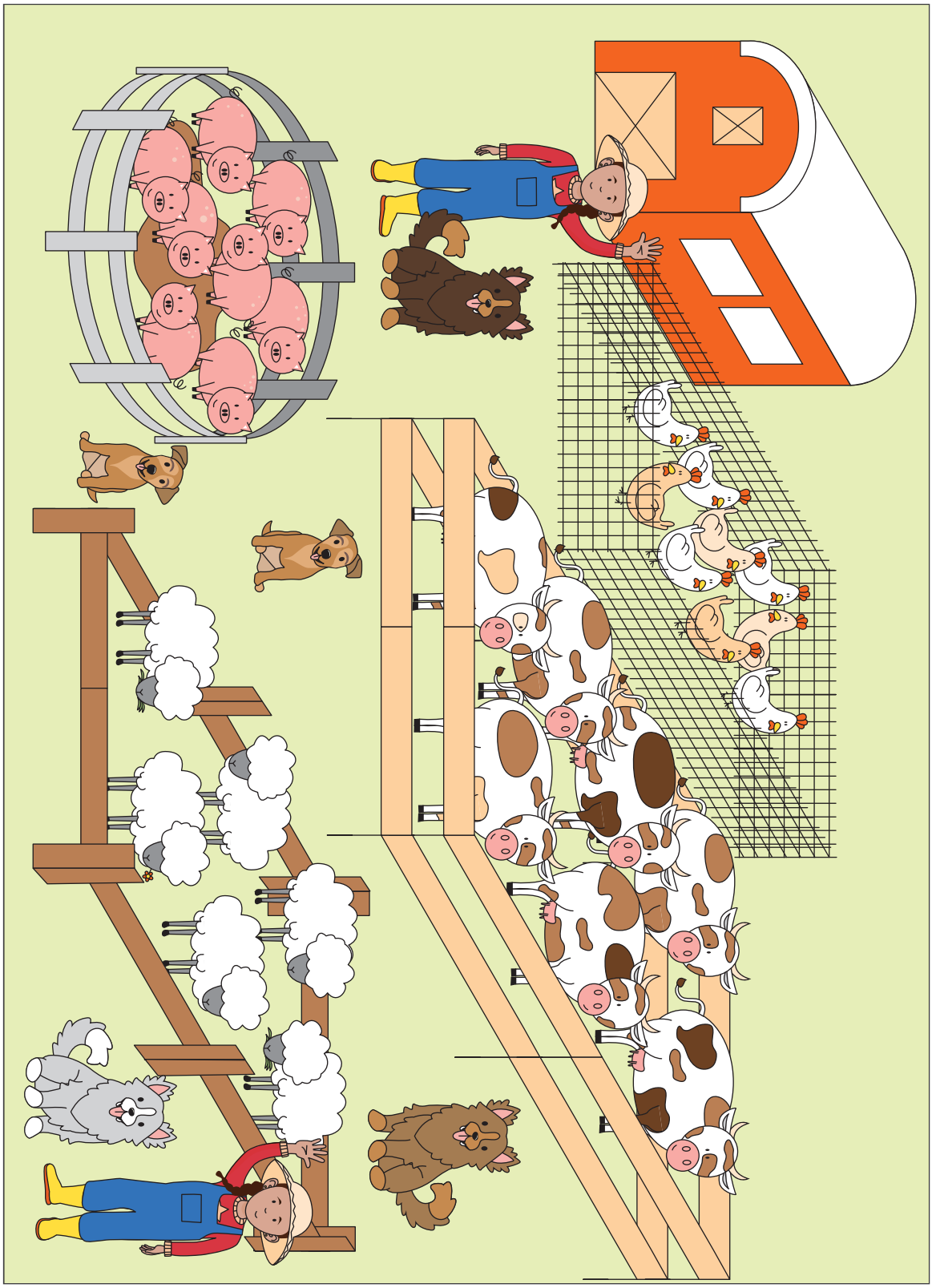
Picture C

© Imagine Learning © Illustrative Mathematics



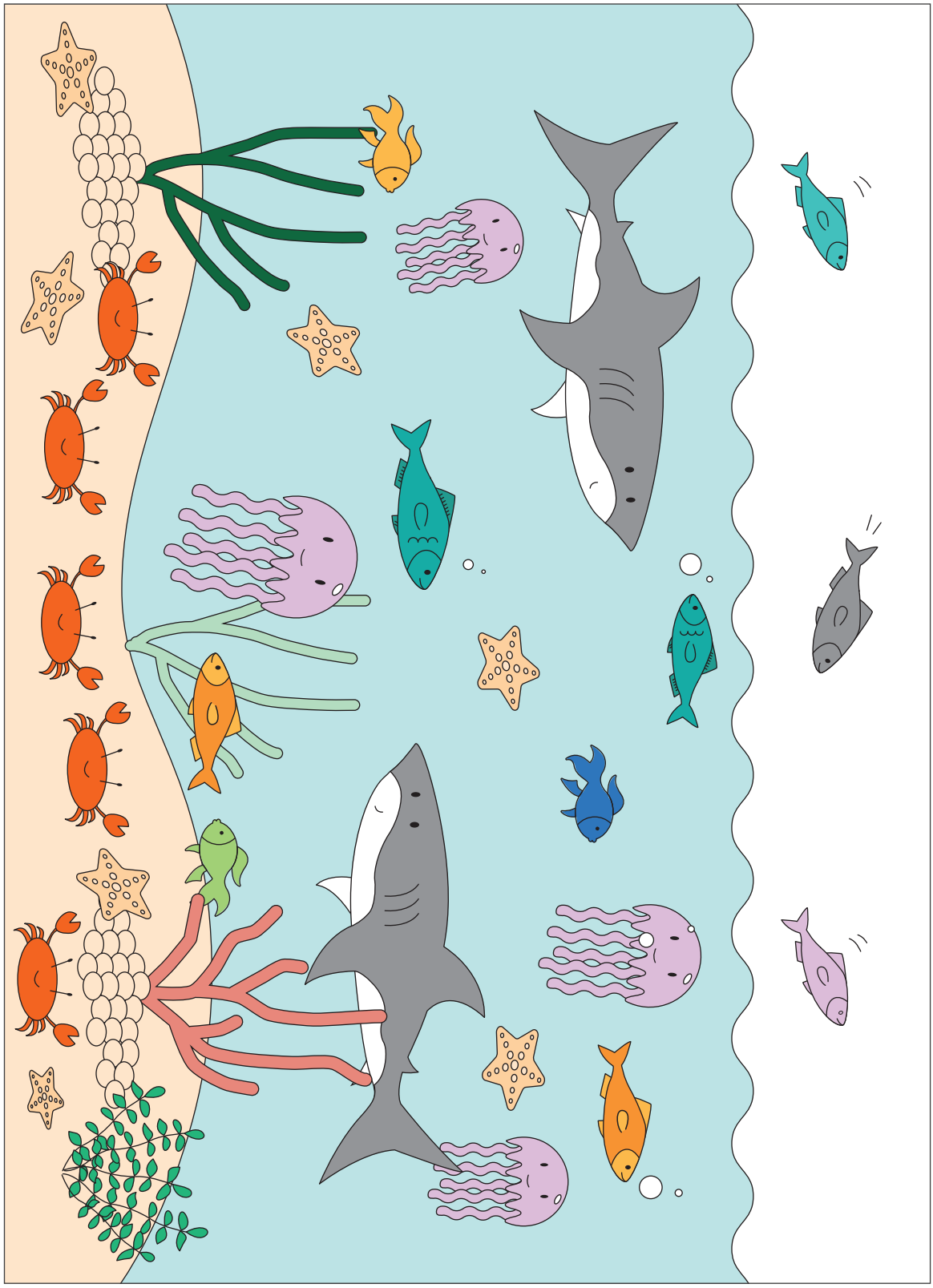
Picture D

© Imagine Learning © Illustrative Mathematics



Picture E

© Imagine Learning © Illustrative Mathematics

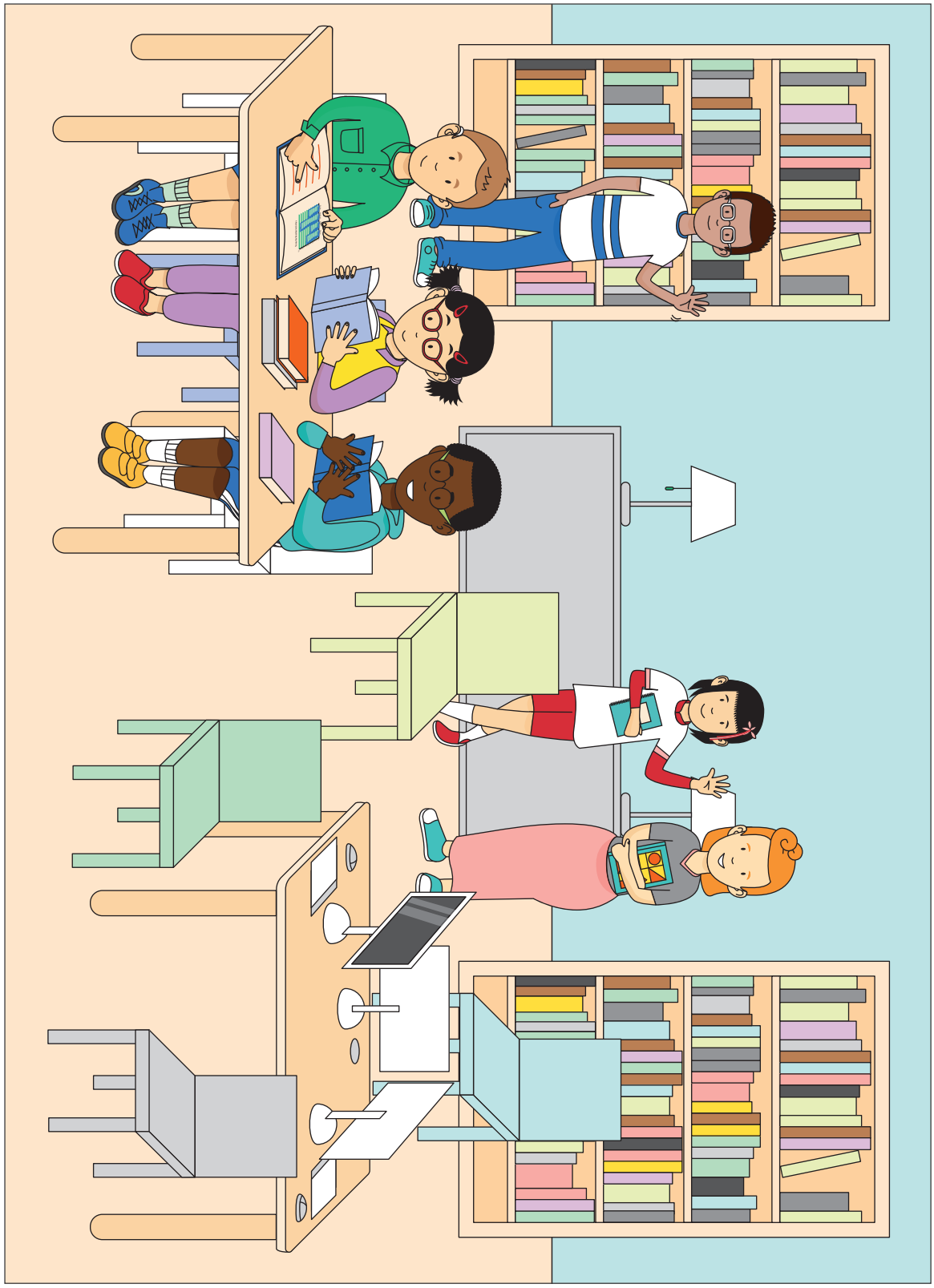


Picture F

© Imagine Learning © Illustrative Mathematics

Picture G

© Imagine Learning © Illustrative Mathematics



Picture H

© Imagine Learning © Illustrative Mathematics

NOTES

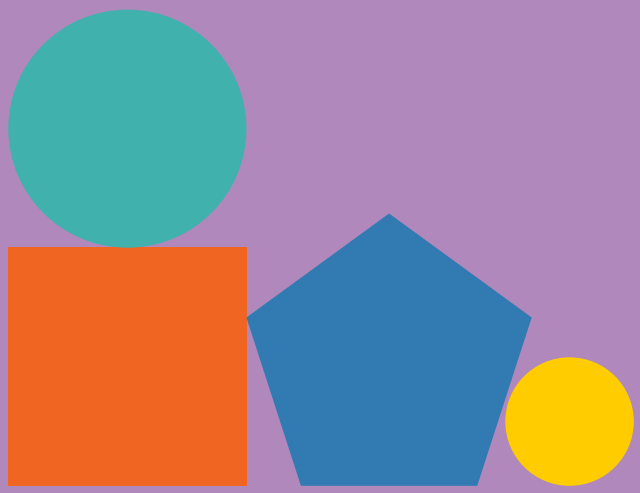
NOTES

NOTES

imagine IM®

imagine learning
empower potential™

Learn more:
imaginelearning.com



1472985615