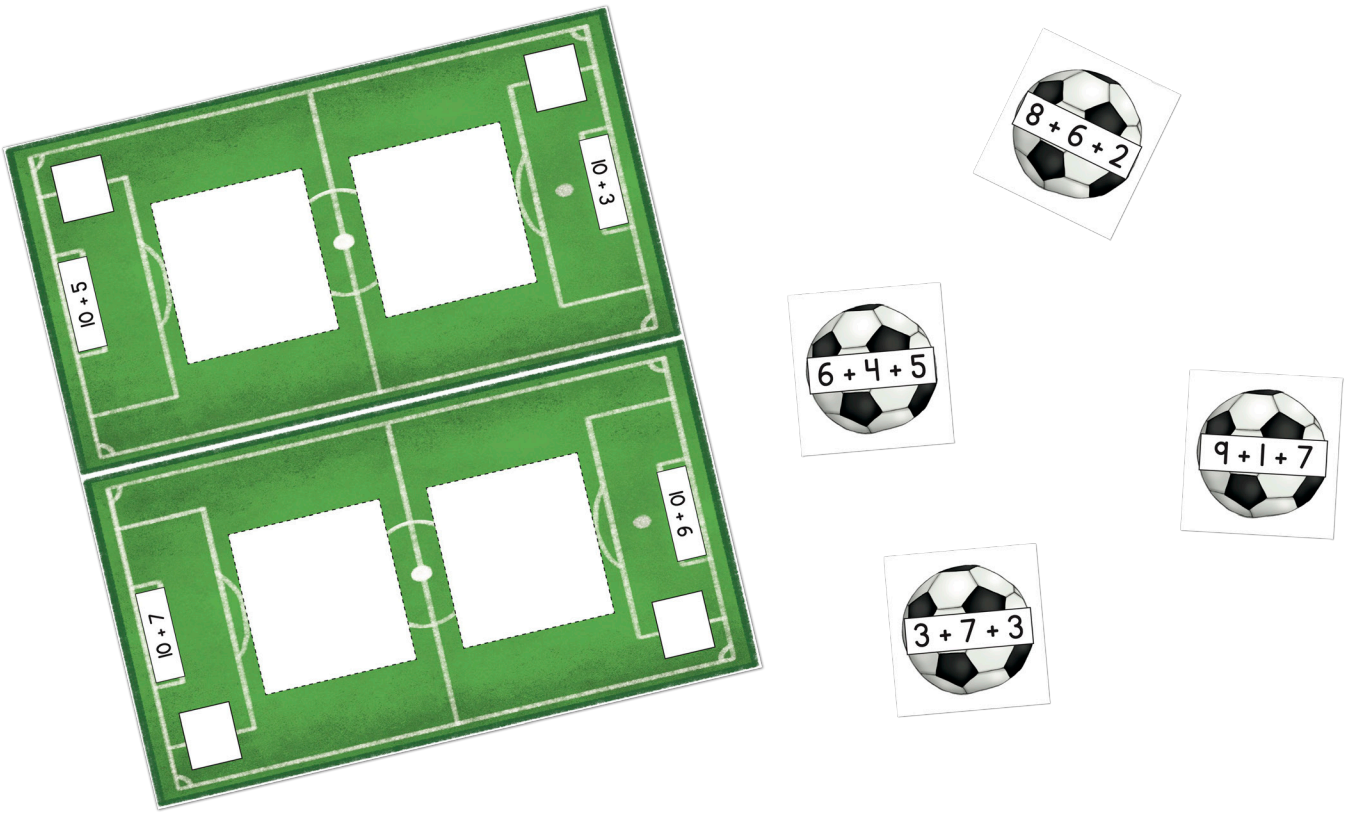
ALL ABOUT® Math

The program that takes the struggle out of math

Level 2 Activity Book Sample

In this sample you will find:



All About® Math

Level 2 - Progress Chart

Name _____

Level 2 Daily Review Tracker

Date Started	Skill	Lessons and Notes	Date Mastered
	Count within 1000.	2, 22	
	Know when to use addition or subtraction for story problems.	2	
	Count backward from 20.	3	
	Find the value that makes an addition or subtraction equation true.	3, 4: writing equations to represent story problems	
	Skip count by 5's, 10's, and 100's.	5: skip count by 5's 29: skip count by 10's and 100's	
	Identify missing addends.	5	
	Solve compare, difference unknown problems.	6: finding the difference 7: story problems	
	Add and subtract within 100.	8: up to 10 16: up to 20 26: up to 100	
	Count forward or backward to add or subtract.	9: counting on to add 10: counting back to subtract 15: relate counting to subtracting	
	Add 3 single-digit numbers.	11: number and story problems	
	Apply associative properties of addition to solve problems involving 3 numbers.	12: adding 3 numbers within 20 13: analyzing addition methods	
	Decompose/recompose addends to find the sum of 2 or 3 numbers.	14	
	Adding 2 two-digit numbers within 100, including composing a new ten.	17: adding 2 two-digit numbers 18: adding with place value	
	Identify and name shapes.	21	
	Represent quantities within 1000 in different forms.	21: reading three-digit numbers 23: write numbers using place value 24: expanded form	
	Find the value of a digit in a three-digit number.	22	
	Use comparison symbols (>, <, =) to compare three-digit numbers.	25	

Date Started	Skill	Lessons and Notes	Date Mastered
	Decomposing a Ten to Subtract within 100.	26	
	Understand the relationship between place value and the number line.	27 28: add/subtract on a number line	
	Mentally add and subtract tens and hundreds between 100 and 900.	29	
	Use standard units of measurement to find the length of objects.	31: centimeters 32: estimating length 33: inches and feet 34: solve problems within 100	
	Write equations with unknown numbers to represent story problems.	35	
	Tell and write time from analog clocks.	36: use phrases "half past," "quarter past," and "quarter 'til" 37: count by 5s to tell time 38: use a.m. and p.m.	
	Find the value of a group of coins.	39: identify coins 40: count money 41: solve problems up to 100	
	Add and subtract within 1000 using strategies and algorithms based on place value.	43: using expanded form 44: addition algorithm 45: expanded form subtraction with decomposing 46: subtraction algorithm	
	Understand six-digit numbers.	47: read and write in standard form 48: value of each digit	
	Represent numbers up to 9,999 in multiple ways, by place value. (ex., 256 can be 1 hundred, 14 tens, and 16 ones, or 25 tens and 6 ones)	49	
	Round numbers to the nearest ten or hundred.	50, 51	
	Compare and order two and three numbers 9,999 or less using symbols and words.	52: comparing using symbols 53: ordering	

Jenny counts 6 oak trees. She counts 2 more oak trees on the nature walk. How many oak trees does Jenny see altogether?

6 ◯ 2 = ☐

Joanie finds 9 ladybugs. Then, 2 ladybugs fly away. How many ladybugs does Joanie have left?

9 ◯ 2 = ☐

Caden has 3 rocks. He collects 5 more rocks on the nature walk. How many rocks does Caden have now?

3 ◯ 5 = ☐

Annie picks 7 wildflowers. She gives 5 to her mother. How many flowers does Annie have left?

7 ◯ 5 = ☐

Add 	Subtract 
There are 16 pumpkins for sale in the patch. Then, 4 pumpkins are sold. How many pumpkins are in the patch now? Expression: _____ _____ pumpkins	There are 15 pumpkin pies. Then, 3 of the pies get eaten. How many pies are there now? Expression: _____ _____ pumpkin pies
Ashley eats 22 pumpkin seeds. Then, she eats 70 more. How many pumpkin seeds does she eat? Expression: _____ _____ pumpkin seeds	Diego buys 46 pumpkin muffins to share at choir practice. Then, he buys 6 more to have enough. How many pumpkin muffins does he have to share? Expression: _____ _____ pumpkin muffins

A

Amy has 15 pumpkins. She uses 2 pumpkins to make a pie. How many pumpkins does she have now?

B

Ellie collects 10 big pumpkins. She gives 5 to her brother. How many pumpkins does Ellie have now?

C

Sam paints 24 pumpkins. Then he paints 8 more. How many painted pumpkins does Sam have now?

D

16 - 3 = ___

E

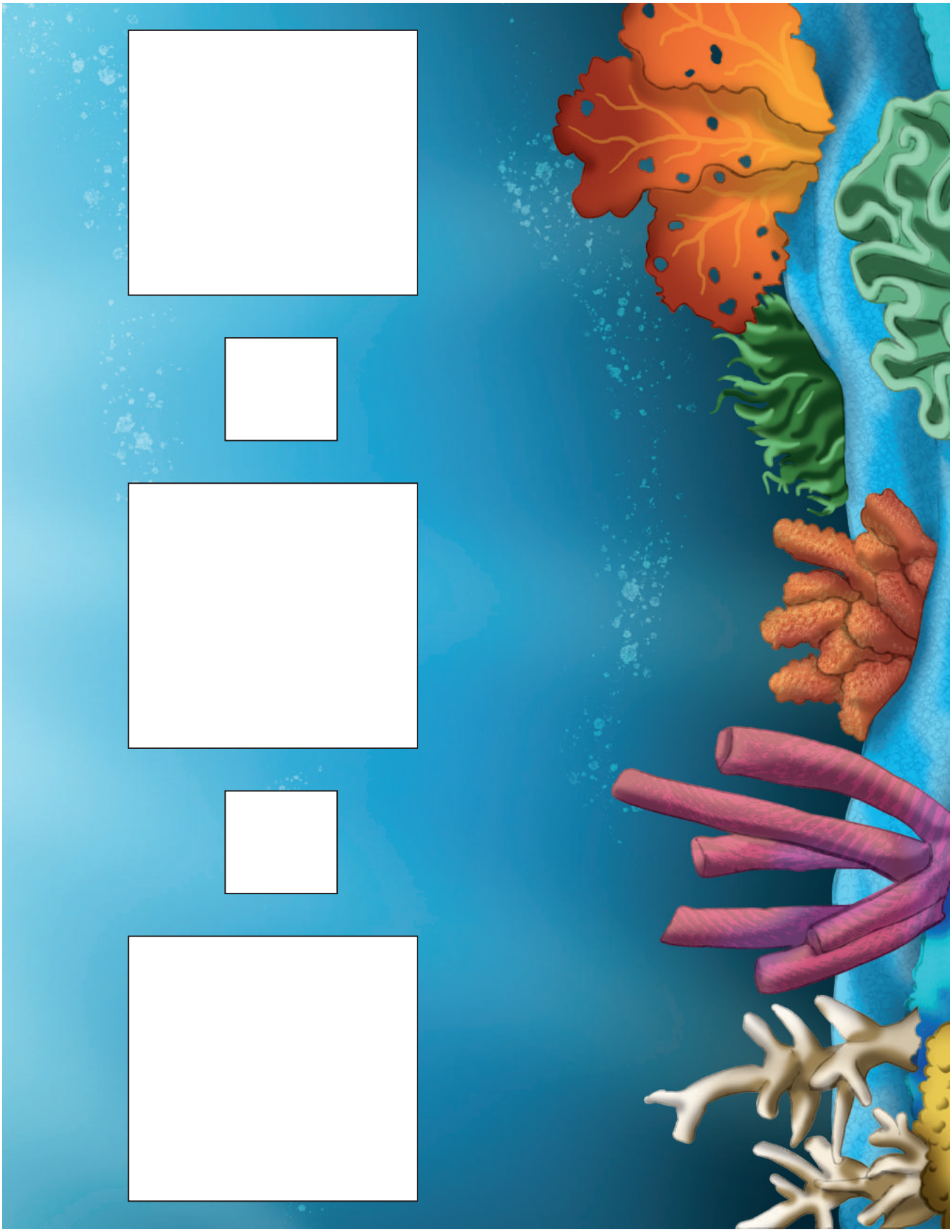
15 + 20 = ___

F

30 + 40 = ___





Amelia sees 4 penguins at the aquarium. James sees 9 penguins. How many more penguins does James see than Amelia?

Alex has 19 tickets to play games at the aquarium. He uses 3 tickets. How many tickets does Alex have left?

Ellie goes to 5 exhibits at the aquarium. Her brother goes to 8 exhibits. How many fewer exhibits does Ellie go to than her brother?

Crew sees 17 marine animals at the aquarium. There are 14 animals that have stripes, and the rest do not. How many animals do not have stripes?

Vivian watches 18 fish swim to the cave in the aquarium. Then, 2 more fish join them in the cave. How many fish are now in the cave?

Kai's family buys 12 snacks at the aquarium. There are 6 salty snacks, and the rest are sweet. How many snacks are sweet?

Cam sees 3 sharks at the aquarium. Her cousin sees 6 sharks. How many fewer sharks does Cam see than her cousin?

_____ fewer sharks

_____

Dan watches 12 seahorses get food. Then, 5 more get food. How many seahorses get food?

_____ seahorses

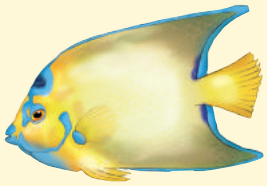
_____

There are 18 dolphins at the aquarium. McKenna sees 2 of them. How many dolphins are left for McKenna to see?

_____ dolphins

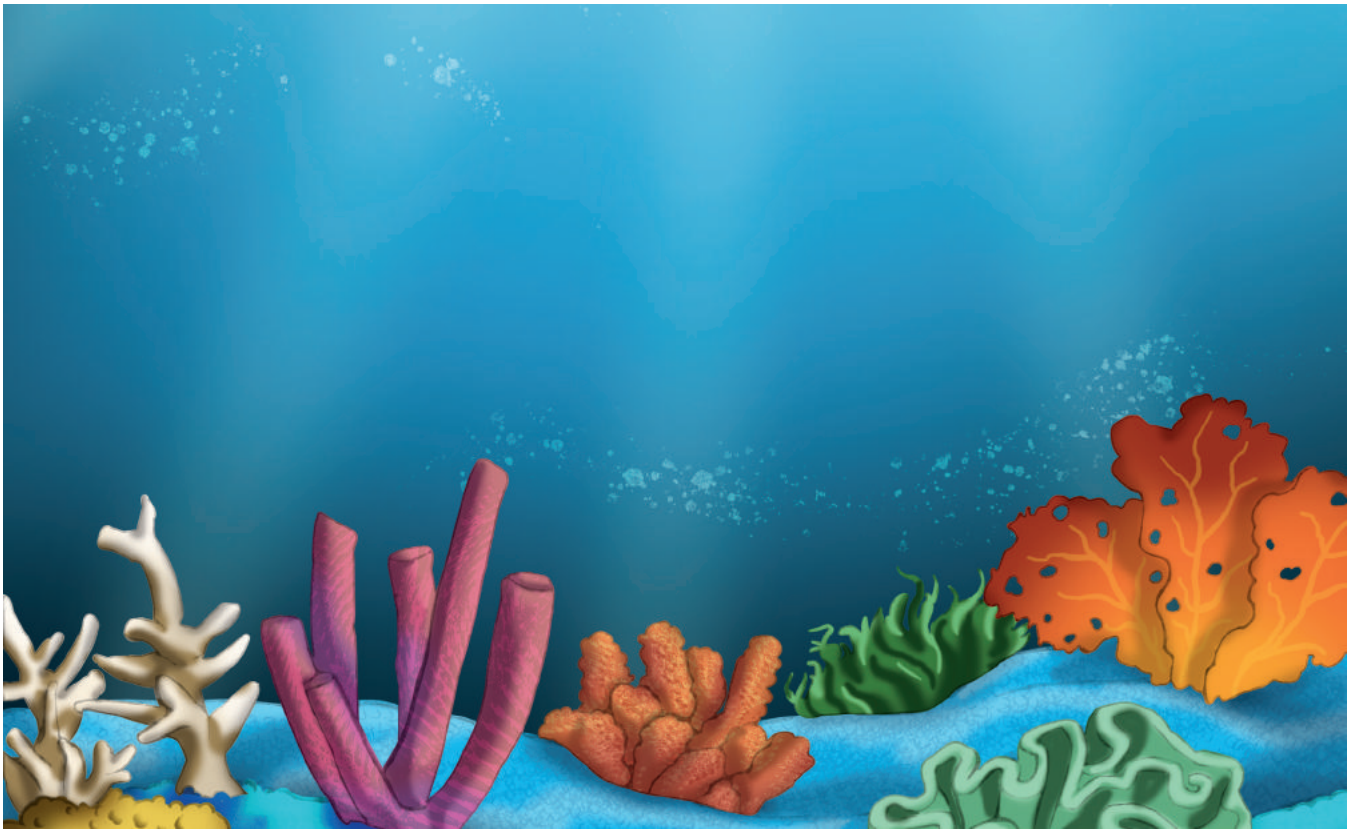
_____

Bill sees 13 fish in one tank. There are 8 yellow fish, and the rest are orange. How many orange fish does Bill see?



_____ orange fish

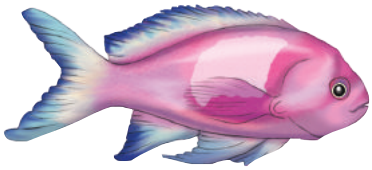
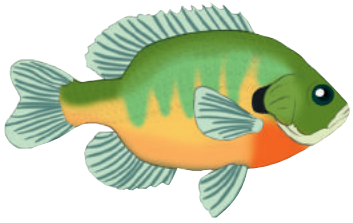
_____

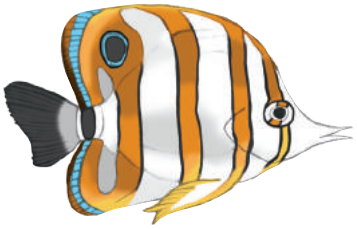
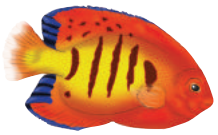
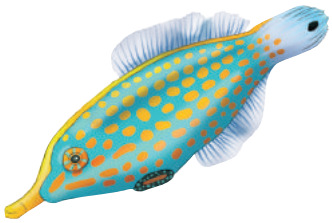
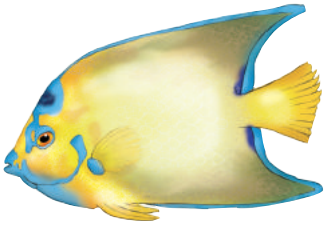


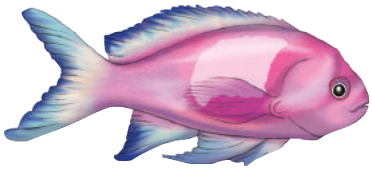
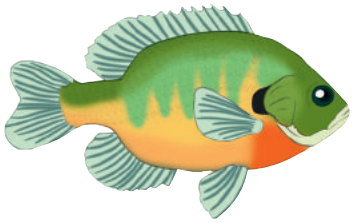
10 – 7 = 3	11 – 2 = 9	4 + 6 = 10
14 = 3 + 11	15 = 8 + 7	3 + 2 = 5
12 – 9 = 3	13 + 2 = 15	19 – 5 = 14

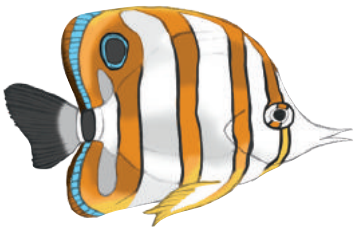
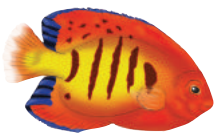
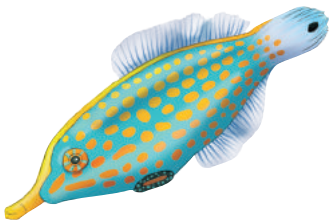
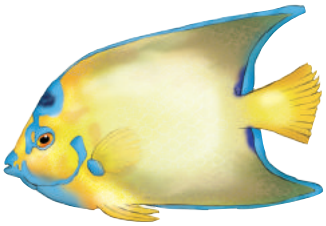
3 + 2 = 5	14 = 3 + 11	12 – 9 = 3
15 = 8 + 7	11 – 2 = 9	10 – 7 = 3
19 – 5 = 14	4 + 6 = 10	13 + 2 = 15



A

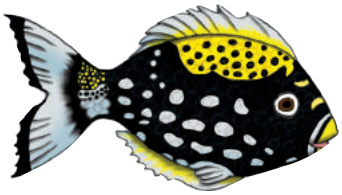
Bryan buys 3 snacks at the aquarium. Olivia buys 5 snacks. How many more snacks does Olivia buy than Bryan?

B

Collin buys 7 tickets to the aquarium. Skylar buys 10 tickets. How many fewer tickets does Collin buy than Skylar?

C

There are 11 toy fish available to purchase at the aquarium store. Felix buys 2 toy fish. How many are left?



D

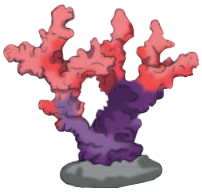
Nadia sees 4 spotted seals lying on their backs. Then, 6 more spotted seals join them. How many spotted seals are there now?

E

Noah sees 14 stingrays at the aquarium. There are 3 little stingrays, and the rest of the stingrays are big. How many big stingrays does Noah see?

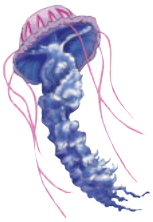
F

Mia sees 15 pieces of coral at the aquarium. Some of the pieces are pink, and 7 are yellow. How many pieces of pink coral does Mia see?



G

The large tank at the aquarium has 19 jellyfish. The small tank has 5 jellyfish. How many more jellyfish are in the large tank?

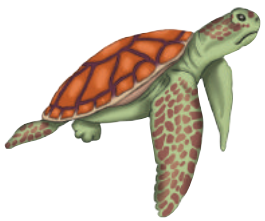


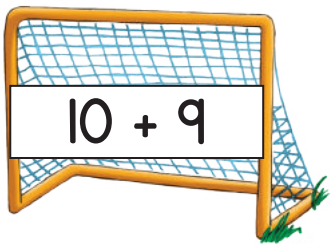
H

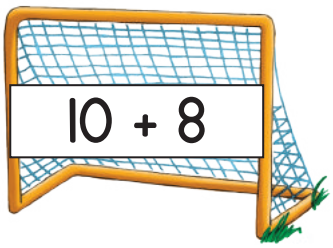
The large tank has 13 sea stars. The small tank has 2 sea stars. How many sea stars are there altogether?

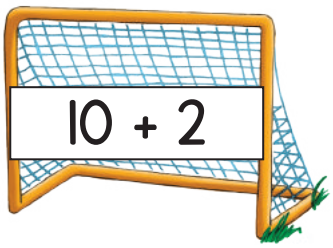
I

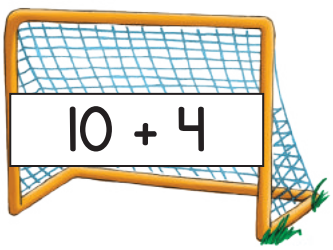
Naomi sees 12 turtles. She watches as 9 turtles swim away. How many turtles are left?

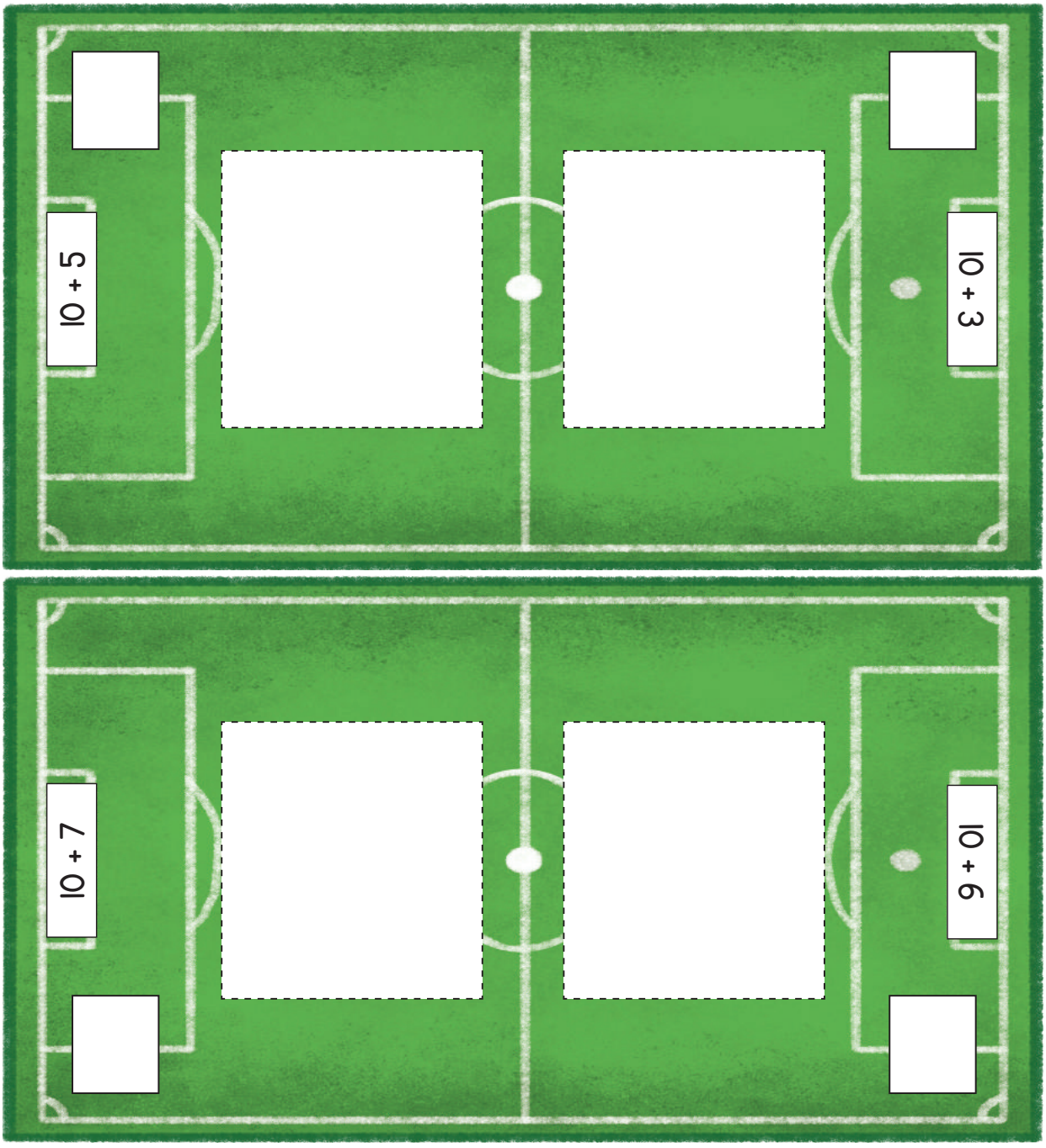


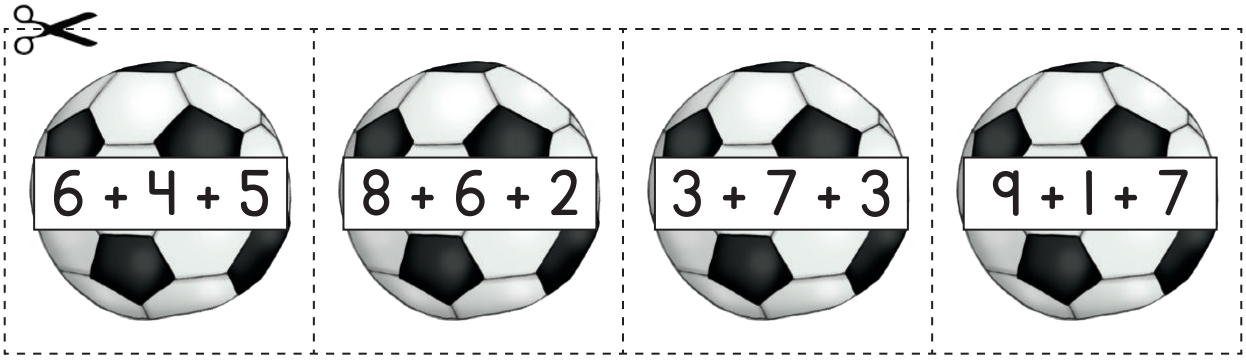












A

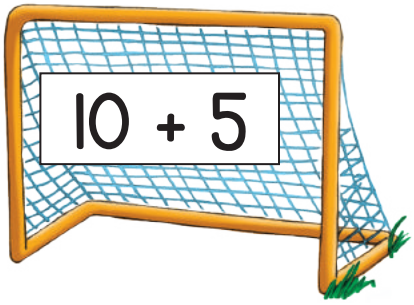
B

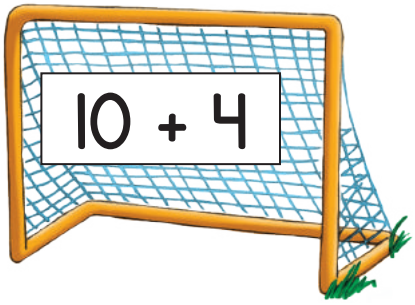
C

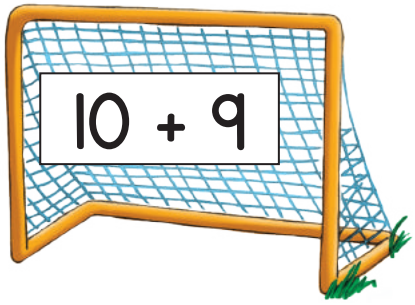
D

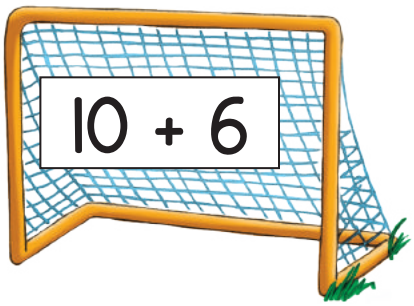
E

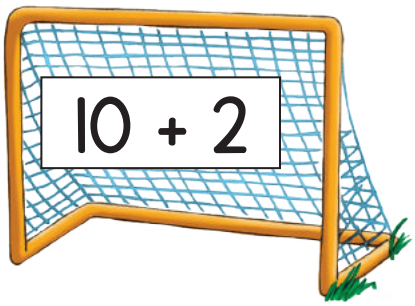
F

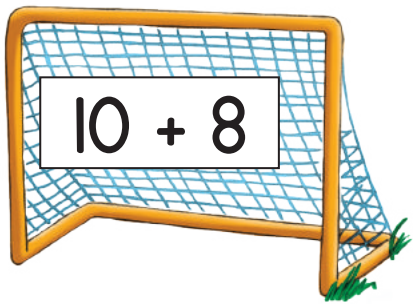


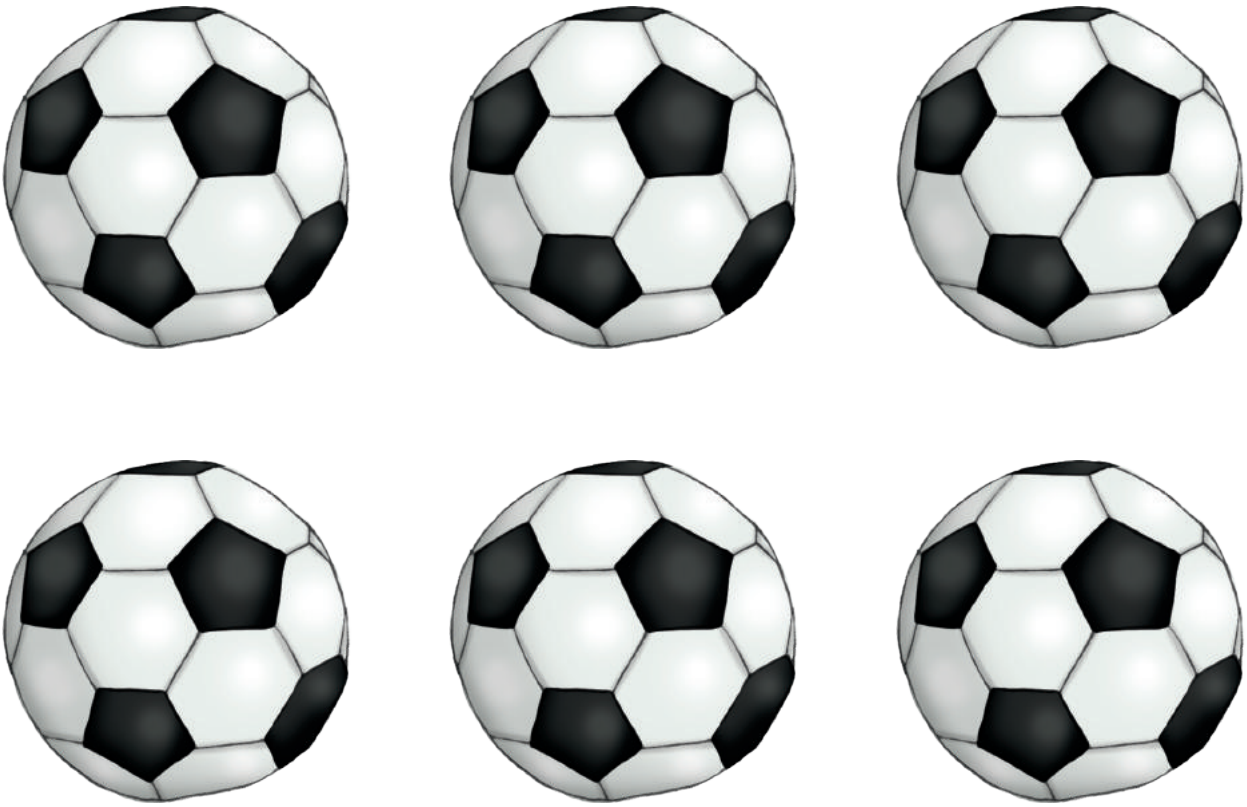


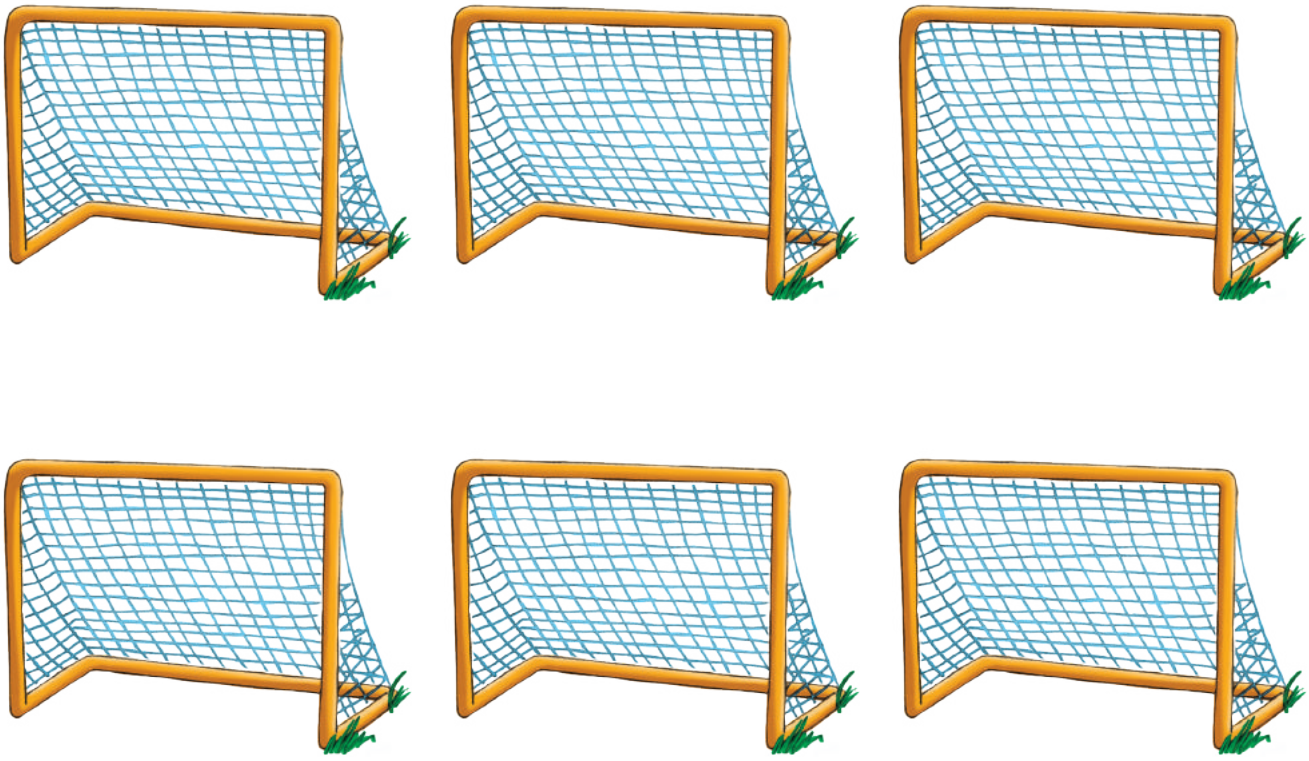












G

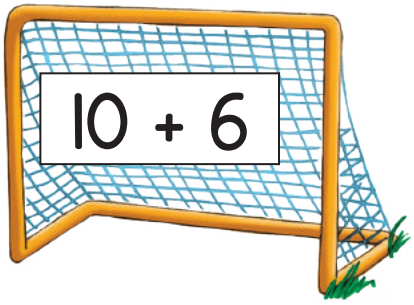
H

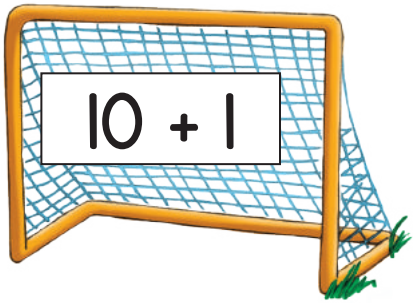
I

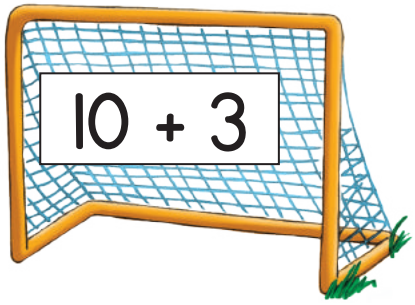
J

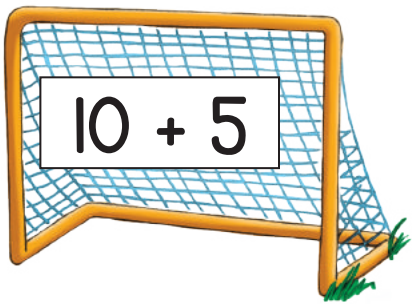
K

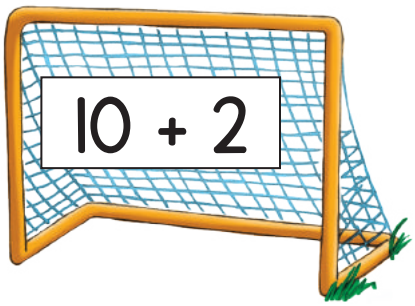
L

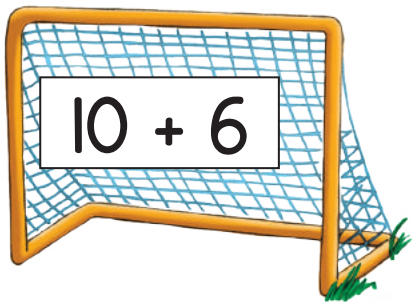


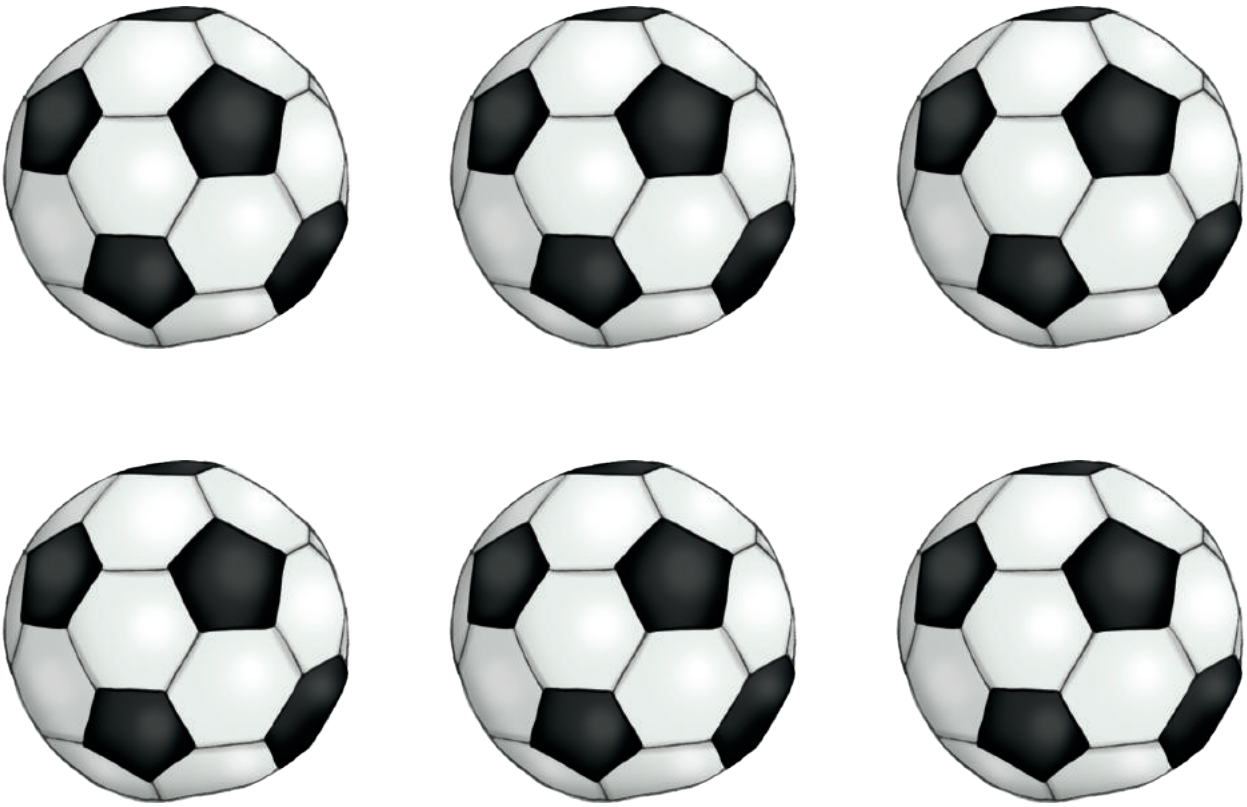


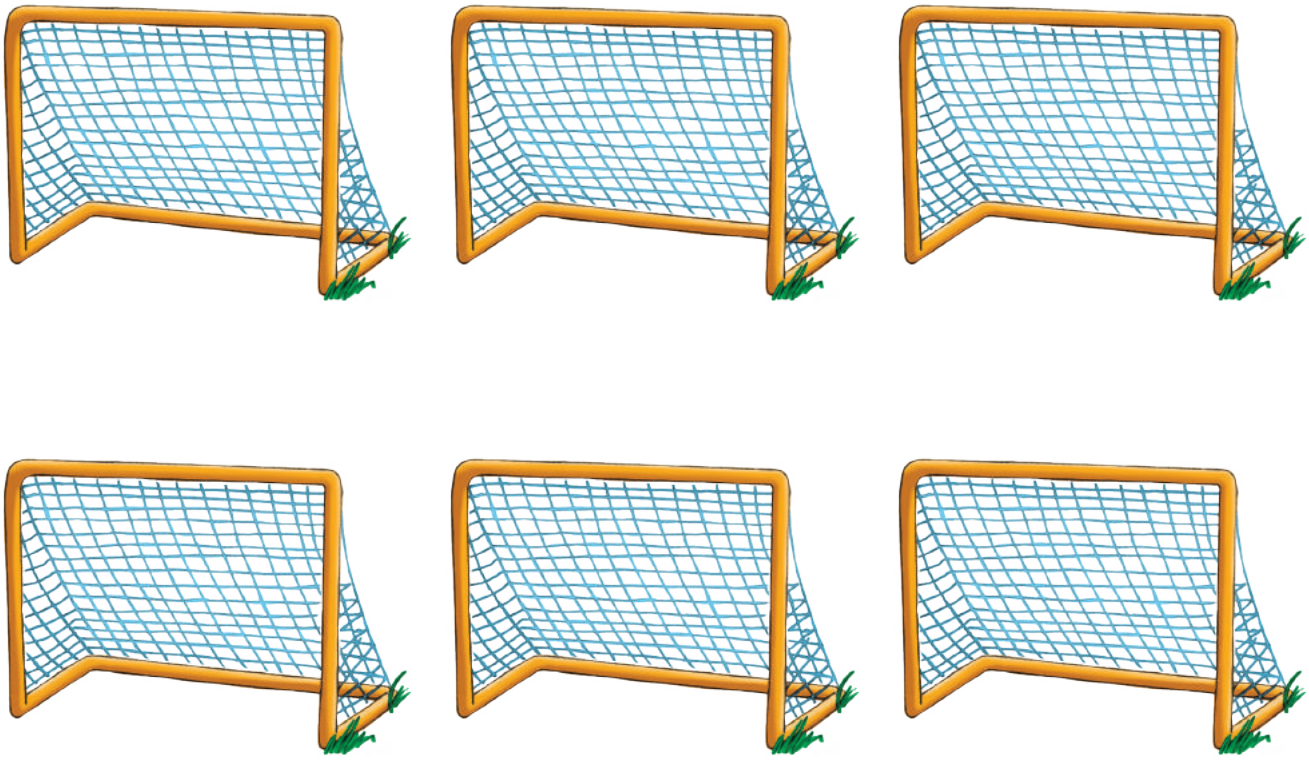












1. Can count backward starting from 20 to: _____
(without errors, stopping at 0)

2. Can count by fives to: _____
(without errors, stopping at l20)

3. Can write an expression to represent a story problem.
(Circle your observation.) Yes No

Can identify the correct operation needed to solve a story problem.
(Circle your observation.) Yes No

4. Can use math tools to solve a story problem.
(Circle your observation.) Yes No

Can write an equation to represent a Result Unknown story problem.
(Circle your observation.) Yes No

5. Can solve an Addend Unknown story problem.
(Circle your observation.) Yes No

____ Created a model or drawing to solve the story problem.

____ Used the equation to solve the story problem.

6. Can solve a Compare, Difference Unknown story problem.
(Circle your observation.) Yes No

Can recognize that both addition and subtraction can be used to solve a story problem.
(Circle your observation.) Yes No

7. Can solve problems with numbers within l0 by:

____ Creating a model or drawing.

____ Using an equation.

____ Mentally finding the answer.

Can explain how she solved a story problem.
(Circle your observation.) Yes No

8. Can use drawings to add.
(Circle your observation.) Yes No

Can count on from a teen number to add.
(Circle your observation.) Yes No

9. Can use the math tools of choice to explain her thinking. When given a choice of math tools to solve a problem, she chose:

_____ two-color counters

_____ drawings

_____ connecting cubes

Can count backward from a teen number to subtract.
(Circle your observation.) Yes No

10. Can make a ten to help her solve a story problem.
(Circle your observation.) Yes No

When given an expression with three addends, can create an expression with two addends that has the same value.
(Circle your observation.) Yes No

11. Can decompose an addend to solve a story problem.
(Circle your observation.) Yes No

Understands that to add one to solve a story problem, one also must be taken away from the answer.
(Circle your observation.) Yes No

12. Can find the missing number in a subtraction equation.
(Circle your observation.) Yes No

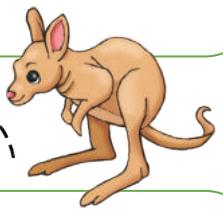
Can find the missing number in an addition equation.
(Circle your observation.) Yes No

13. Can add 2 two-digit numbers.
(Circle your observation.) Yes No

Uses place value to add by combining the tens together and combining the ones together.
(Circle your observation.) Yes No

56 + 24 = _____

37 + 15 = _____



62 - 37 = _____

81 - 42 = _____

12 + 64 = ___ 	17 + 27 = ___ 	32 + 29 = ___ 	11 + 72 = ___ 
56 + 34 = ___ 	10 + 33 = ___ 	36 + 36 = ___ 	31 + 51 = ___ 
42 - 19 = ___ 	67 - 31 = ___ 	93 - 18 = ___ 	84 - 22 = ___ 
66 - 48 = ___ 	59 - 34 = ___ 	72 - 21 = ___ 	76 - 32 = ___ 

11 + 72 = 83 32 + 29 = 61 17 + 27 = 44 12 + 64 = 76

31 + 51 = 82 36 + 36 = 72 10 + 33 = 43 56 + 34 = 90

84 - 22 = 62 93 - 18 = 75 67 - 31 = 36 42 - 19 = 23

76 - 32 = 44 72 - 21 = 51 59 - 34 = 25 66 - 48 = 18

Lucy is practicing her short chip shots. Lucy hit the golf ball a length of 14 yards on her first shot. Then, she made her second shot. Finally, she hit the ball 14 yards on her third shot. Altogether she hit the ball a distance of 62 yards. How far was her second shot?

_____ yards

tape diagram

equation

Jake's ball landed near a pond and he had to hit around it. He hit the golf ball 29 yards on his first shot and 15 yards on his second shot. He is not sure how far he hit the ball for his third shot. So far, he has hit the golf ball a total of 71 yards. How far did Jake hit the ball on his third shot?

_____ yards

tape diagram

equation

Callie putted a total distance of 87 inches. She putted a distance of 36 inches on the first putt and another 29 inches on her second putt. She cannot remember the length of her third putt. How far was Callie's third putt?

_____ inches

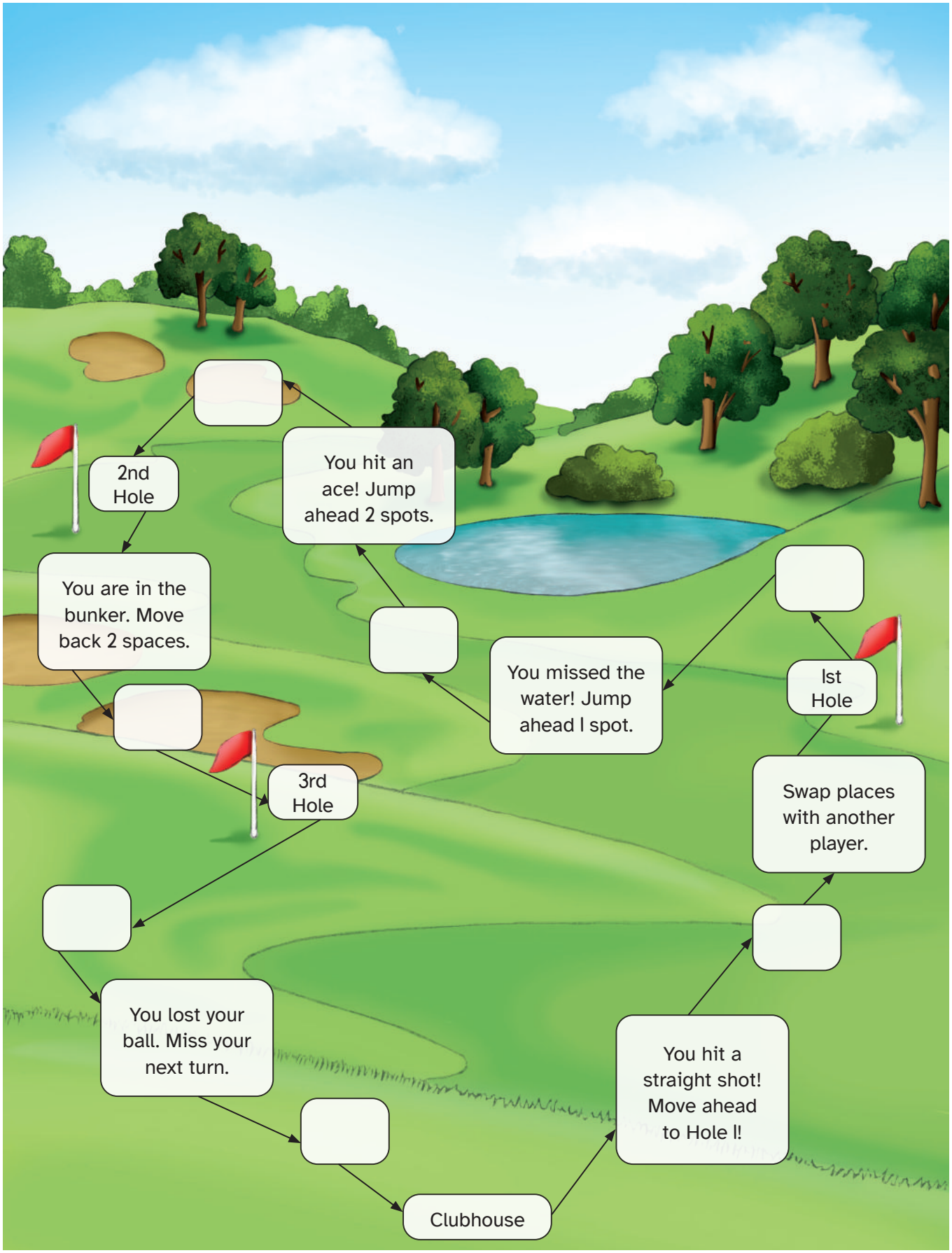
tape diagram

equation

Cal and two of his teammates, Annie and Marquis, each hit a putt on the putting green. Cal's putt was _____ inches. Annie's putt was _____ inches. Marquis is unsure how far he putted the ball. Combined, their golf balls traveled a total length of 54 inches. What was the length of Marquis's putt?

tape diagram

equation


2nd Hole
You hit an ace! Jump ahead 2 spots.
You are in the bunker. Move back 2 spaces.
You missed the water! Jump ahead l spot.
lst Hole
3rd Hole
Swap places with another player.
You lost your ball. Miss your next turn.
You hit a straight shot! Move ahead to Hole l!
Clubhouse

A

70		
___	23	23

B

61		
11	___	16

C

39		
19	5	___

D

Chase hit three shorter golf shots to avoid some trees. His first shot was 32 yards, and his second shot went even farther. His third shot went 21 yards. Altogether, his golf ball traveled 93 yards. How far was Chase's second shot?

E

45		
19	___	14

F

During a round of golf, Michael putted 15 feet on one hole. He putted 29 feet on another hole. He is not sure how far he putted on a third hole, but he putted a total of 87 feet. How far was Michael's third putt?

G

Gabriella is practicing her shorter chip shots. She's not sure how far her first golf ball went, but the other two shots went 31 yards and 46 yards. Together, the three shots went a distance of 99 yards. How far was Gabriella's first shot?

H

83		
17	52	___

I

Avon made some shots on a golf hole. So far, his shots have gone a distance of 81 yards. On his first shot, the ball went 25 yards. On the third shot, the ball went 16 yards. How far was Avon's second shot?

J

Frank made a putt that traveled 18 feet. Then, he hit it another 15 feet. His third and final putt went in the hole. Altogether, the ball went a length of 45 feet. How far was the third putt?

K

57		
___	25	17

L

Willow walked 19 yards before realizing her ball was lost. So, she walked another 19 yards back to hit another ball. This time, she hit the ball to the putting green. If she walked a total distance of 76 yards, how far did she walk to get to the green?

M

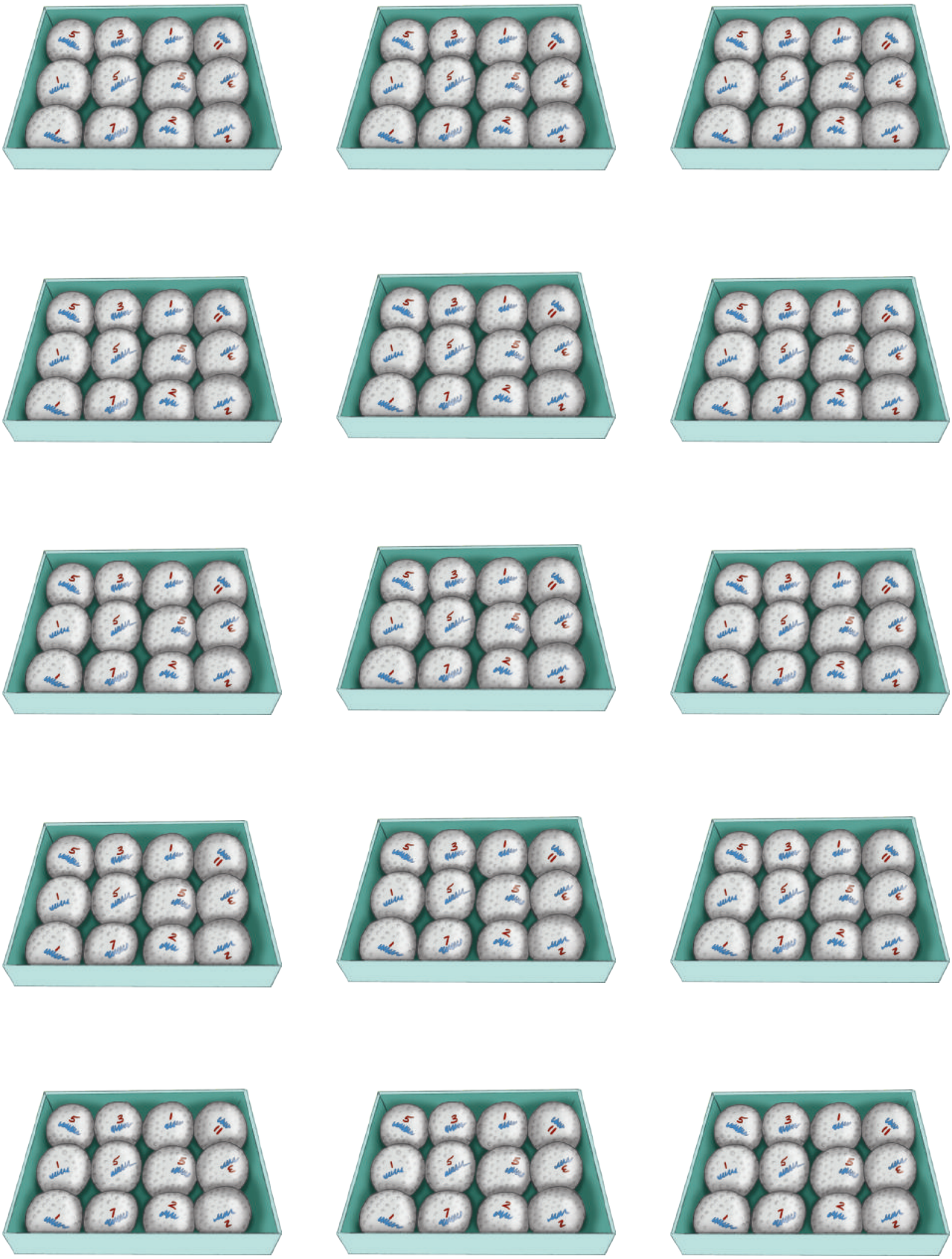
Hud and his friends measured the lengths of their putters. When they put them end to end in a line, the total length of all three putters was 91 inches. Hud's friends' putters measured 30 inches and 32 inches. What was the length of Hud's putter?

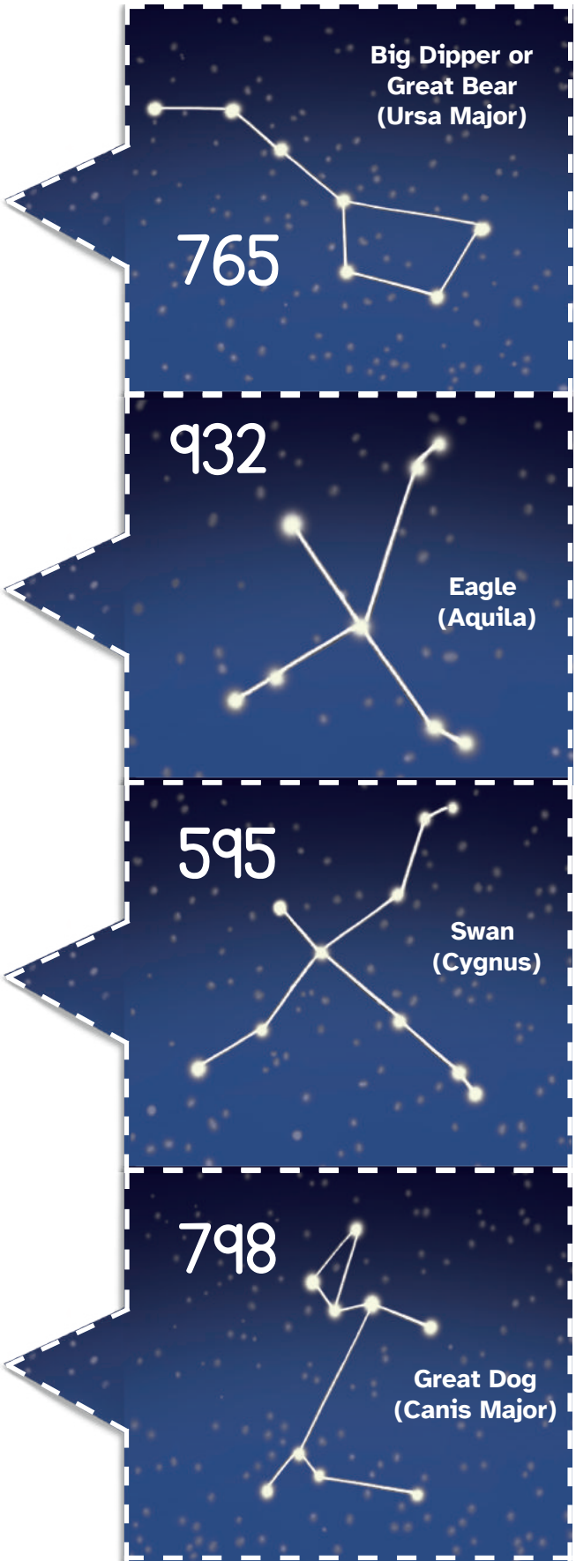
N

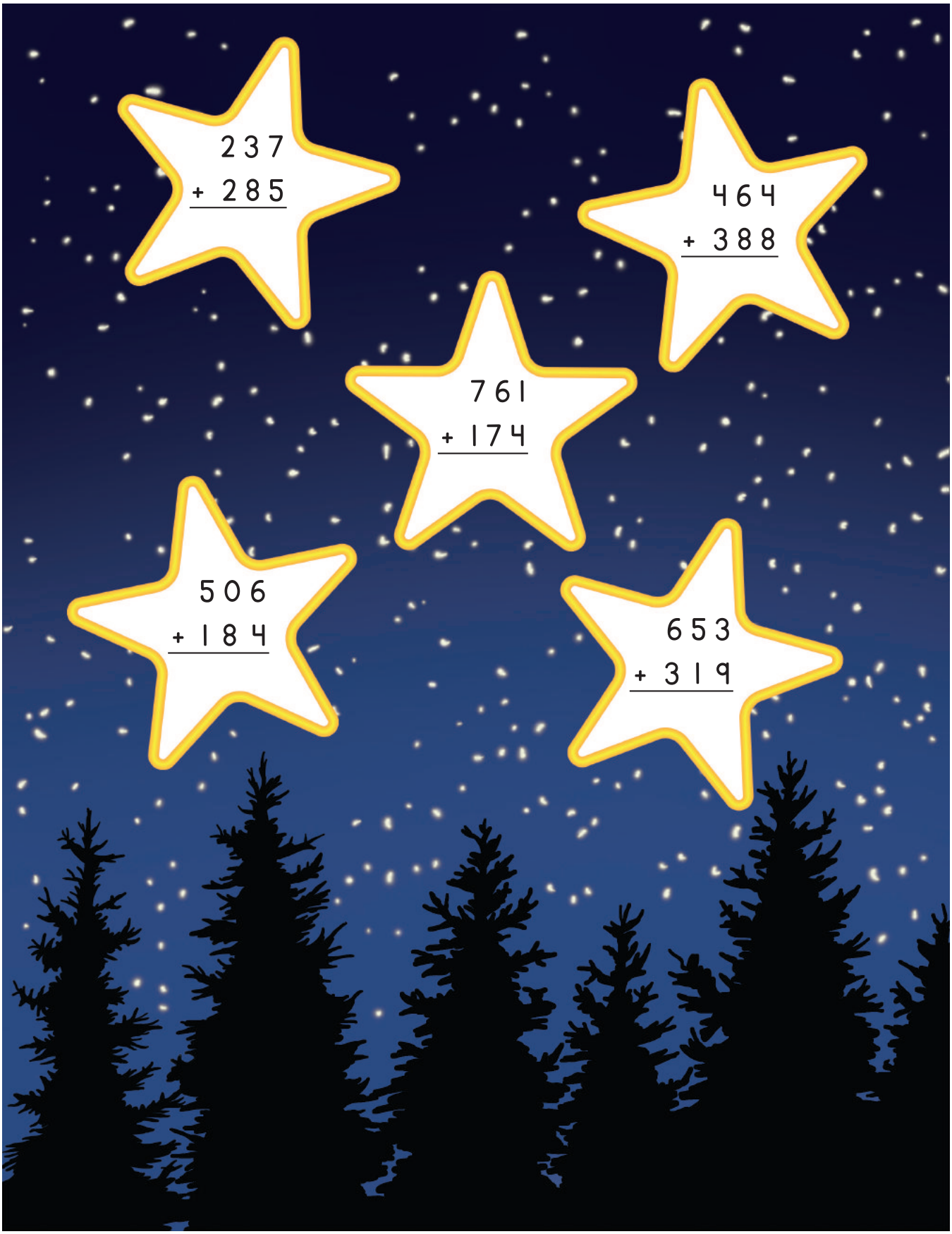
96		
21	38	___

O

Tara and her friends measured the lengths of three golf clubs. When they put them end to end in a line, the total length of all three clubs was 99 inches. Tara's friends' clubs measured 33 inches and 31 inches. What is the length of Tara's club?







A 137 + 198	B 245 + 675	C 382 + 559	D 467 + 248
E 345 + 412	F 602 + 154	G 735 + 211	H 154 + 623
I 635 + 229	J 416 + 348	K 165 + 539	L 204 + 706
M 287 + 451	N 643 + 172	O 360 + 573	P 286 + 281
Q 706 + 142	R 215 + 629	S 344 + 467	T 580 + 245

278

85

24

57

822

541

20

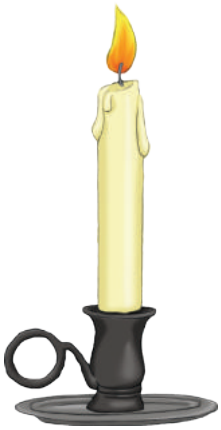
300

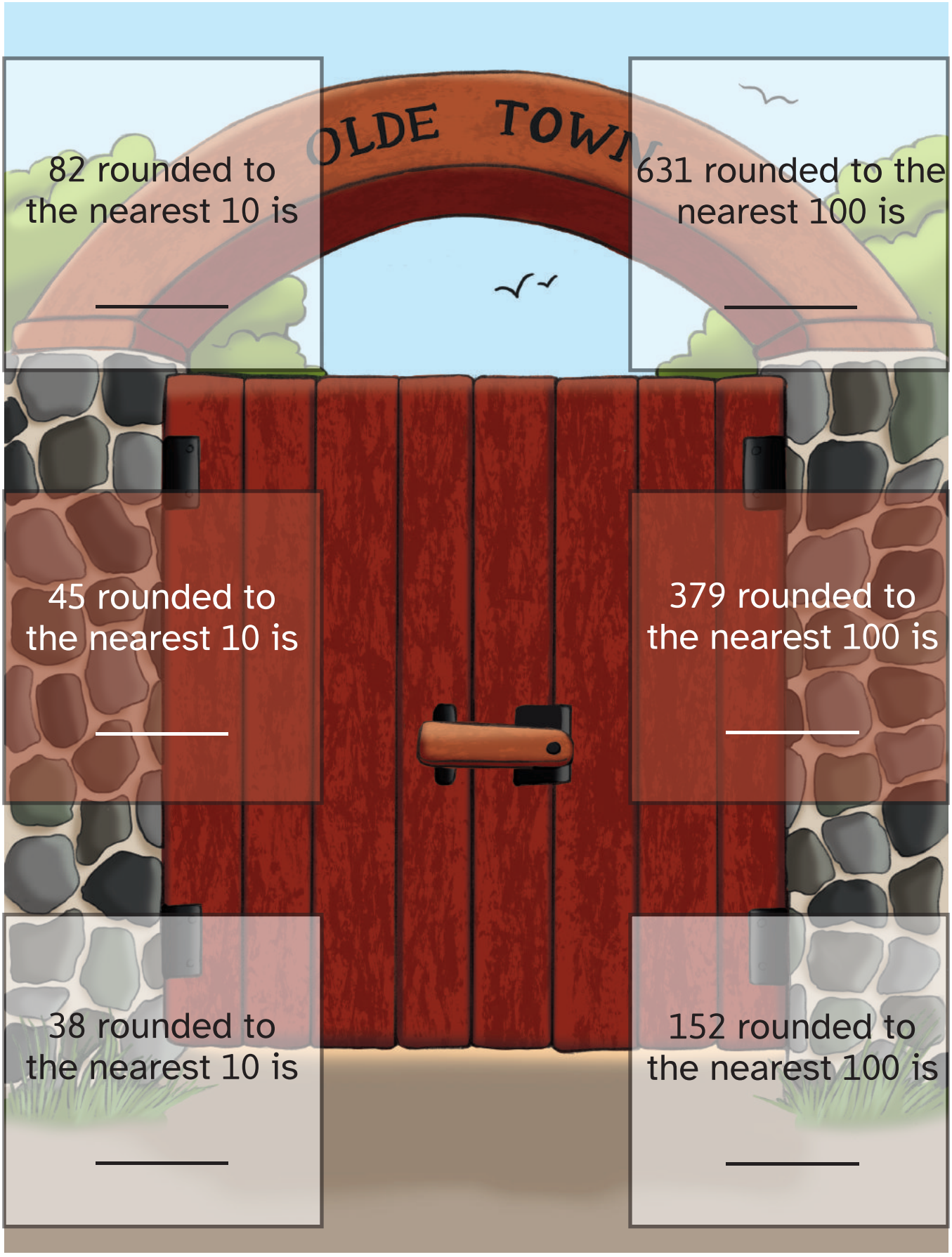
60

500

800

90





Blacksmith

Candlemaker

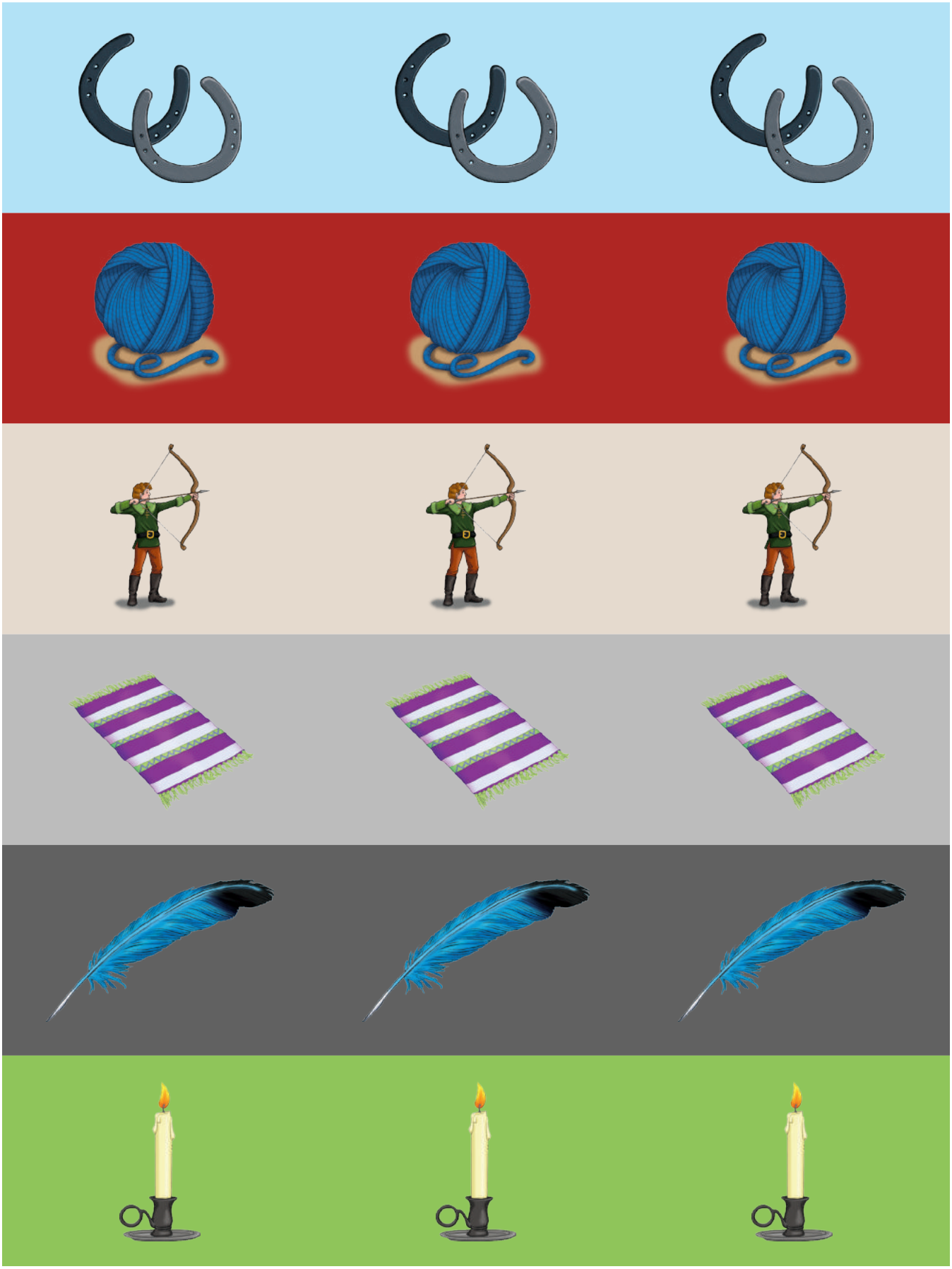
Weaver

Fletcher

Spinner

Scribe

A 31 rounded to the nearest 10 is _____	B 706 rounded to the nearest 100 is _____	C 332 rounded to the nearest 100 is _____
D Take a rest from all the activities. Lose a turn.	E 74 rounded to the nearest 10 is _____	F 417 rounded to the nearest 100 is _____
G 65 rounded to the nearest 10 is _____	H 129 rounded to the nearest 100 is _____	I 514 rounded to the nearest 100 is _____
J 28 rounded to the nearest 10 is _____	K You went to get a turkey leg. Lose a turn.	L 291 rounded to the nearest 100 is _____
M 55 rounded to the nearest 10 is _____	N 961 rounded to the nearest 100 is _____	O 847 rounded to the nearest 100 is _____
P You made a candle. Take another turn.	Q 99 rounded to the nearest 10 is _____	R 530 rounded to the nearest 100 is _____



Certificate of Achievement

All About® Math

awarded to

_____

for successfully completing Level 2

_____

Teacher's Signature Date

Before you begin, please refer to the instructions in the *All About Math* teacher's manual on page 9.

1. Count out loud as directed.

2. Point to each number and say its name.

7 89 36 25 40

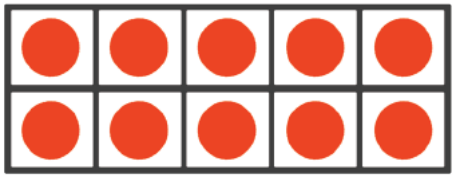
3. Write each number that is spoken on the lines below.

_____ _____ _____

_____ _____

4. How many circles are in the 10-frame below? _____

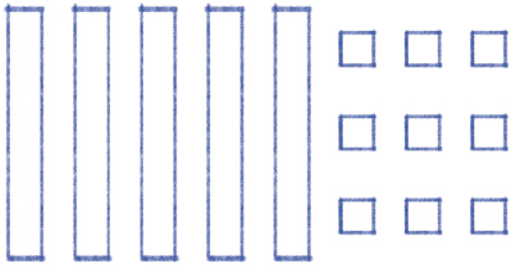
Use these circles and draw some more circles below the 10-frame to represent the number 14.



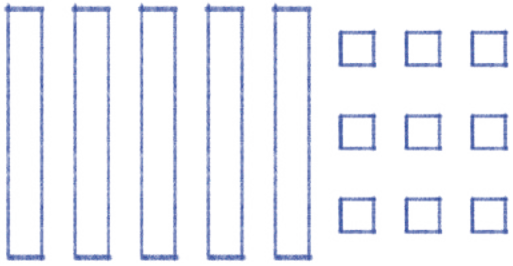
_____ and _____ more is 14.

5. The long rods are tens. The little squares are ones. Color the number of tens and ones you need to represent each number.

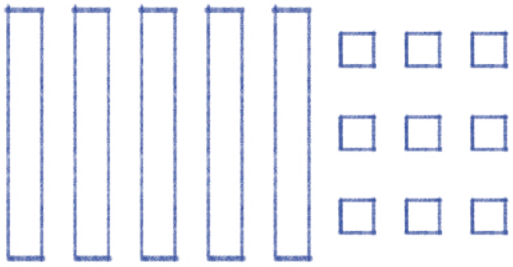
12



52



36



6. Write your answer and matching expression to each story problem below.

John has 3 cats. His mom brings home 4 more cats. How many cats does John have in all?

_____ cats Expression: _____

There were 8 deer in a field. Then, 5 of them ran away. How many deer were left in the field?

_____deer Expression: _____

7. Write expressions to show all the ways to make a ten.

_____	9 + 1	_____
_____	_____	_____
_____	_____	_____
_____	_____	

8. Solve each equation below to find the missing number.

5 + 4 = _____ _____ + 2 = 7

3 + _____ = 9

9. Tell the value of each digit in the numbers below.

23 47 36

10. Solve the following problems.

Jennifer planted 16 daisies. Then, she planted 5 tulips. How many flowers did Jennifer plant in all?

_____ flowers

73 + 4 = _____

7 + 45 = _____

28 + 6 = _____

11. Tell what number is 10 more and 10 less than the numbers given below.

13 77 52

12. Write a comparison symbol (>, <, or =) on the line to compare two numbers.

29 _____ 51

95 _____ 95

84 _____ 64

72 _____ 27

13. Describe which object is longer and which object is shorter.