2024

Summer Math Packet

Entering

Grade 3

This packet includes the skills you learned in 2nd grade and will help ensure you are prepared to enter 3rd grade in September. Make sure to read the directions for each question carefully. If you do your work on another sheet of paper, make sure to attach that to the end of the packet when you hand it to your teacher in September.

If your packet is completed, you will receive a special prize and certificate!

Due Date: Monday, September 9th, 2024

Good luck and have a wonderful summer!

The 3rd Grade Team

Name _____

Grade **2**
Progress Monitoring
Assessment Form C

1. Find 14 + 27 + 36. Use any strategy. Which is the sum?

A 67 **C** 78

B 77 **D** 87

2. Which is the number of dimes in one dollar?

A 4 **C** 8

B 5 **D** 10

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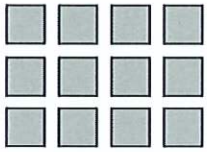
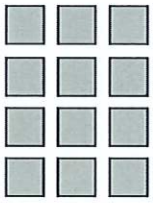
3. Draw lines to match each description to its array and equation.

4 rows of 3 squares in each row



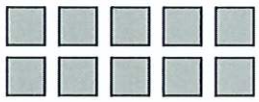
4 + 4 + 4 = 12

3 rows of 4 squares in each row



3 + 3 + 3 + 3 = 12

5 columns of 2 squares in each column



2 + 2 + 2 + 2 + 2 = 10

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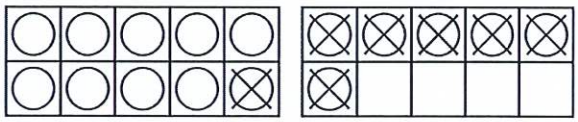
4. This picture shows how to make a 10 to find 16 – 7. Complete the equation.



16 – 7 = ____

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5. Which are equal to 34 + 66? Choose all that apply.

☐ 90 + 10

☐ 34 + 6 + 60

☐ 90 + 6

☐ 100

☐ 30 + 60 + 4 + 6

6. The clock shows the time that Roberto has lunch each day. Which are ways to say this time? Choose all that apply.

- ☐ quarter after 12
- ☐ 15 minutes after 12
- ☐ half past 12
- ☐ quarter to 12
- ☐ 15 minutes to 12

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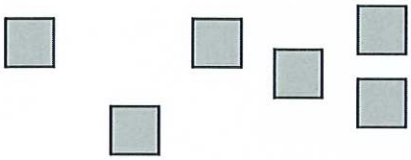
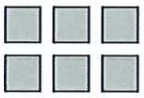
7. How many squares are shown below? Is the number even or odd?



Choose the correct picture, equation, and description.

A



$3 + 3 = 6$

Even

C

$3 + 2 = 5$

Odd

B

$4 + 3 = 7$

Odd

D

$4 + 4 = 8$

Even

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8. Linda needs 56 balloons for a party.
She already has 27 balloons.
Callie gives her 13 more balloons.
How many more balloons does Linda need?

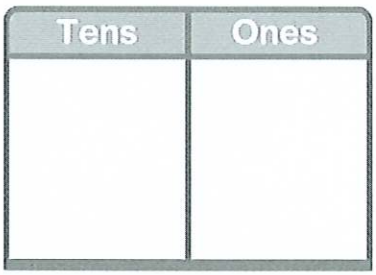
Write equations to solve. Then write the answer.

___ ◯ ___ = ___

___ ◯ ___ = ___

Linda needs ____ more balloons.

9. Find 64 – 19. Use drawings of place-value blocks and partial differences. Which is the difference?



A 55 **C** 45

B 51 **D** 44

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10. Which is the value of the 6 in the number 689?

A 6 ones

B 6 tens

C 68 tens

D 6 hundreds

11. Which number will make the equation true?

27 + 20 = 17 + ____

A 47 **C** 20

B 30 **D** 10

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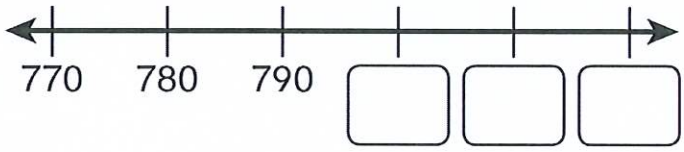
12. Skip count on the number line. Write the missing numbers.



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13. Which is the difference of 278 – 100? Use mental math to solve.

A 378 **C** 178

B 277 **D** 177

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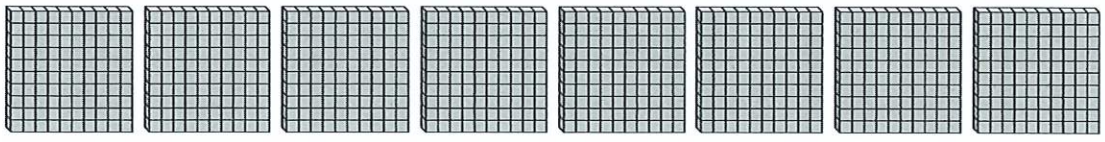
14. What number does the picture show? Complete the sentence.



____ equals ____ hundreds, ____ tens, and ____ ones.

15. Draw a line to match each subtraction equation to its difference. Use any strategy.

431 – 308 = ?	125
300 – 175 = ?	129
809 – 680 = ?	123

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16. Pauly measures the height of a bike and says it is 24 inches. Jo measures the height of the **same** bike and says it is 2 feet. Pauly and Jo are both correct.

Put a word in each blank to make the sentence true. Not all words will be used.

More **Fewer** **Shorter** **Longer**

It takes _____ inches than feet to measure the height of the bike.

An inch is _____ than a foot.

17. Ling measures the height of a playground slide and says it is 100 centimeters. Sergio measures the height of the **same** slide and says it is 1 meter. Ling and Sergio are both correct.

Which pair of sentences about the centimeters and meters used to measure the slide is **true**?

A. More centimeters than meters are used. A centimeter is shorter than a meter.

B. Fewer centimeters than meters are used. A centimeter is shorter than a meter.

C. More centimeters than meters are used. A centimeter is longer than a meter.

D. Fewer centimeters than meters are used. A centimeter is longer than a meter.

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18. What is one way to find 62 – 31?

A. 60 – 30 – 2 + 1

B. 60 – 30 + 2 - 1

C. 60 – 30 + 2 + 1

D. 60 – 30 – 20 -1

19. What is one way to find 64 – 26?

A. Start at 26. Count up 4 ones to 30. Count up 3 tens to 60. Count up 4 ones to 64.

B. Start at 26. Count up 4 ones to 30. Count up 5 tens to 80. Count up 1 ten to 90.

C. Start at 64. Count up 6 ones to 70. Count up 1 ten to 80. Count up 4 ones to 84.

D. Start at 64. Count up 6 ones to 70. Count up 1 ten to 80. Count up 1 ten to 90.

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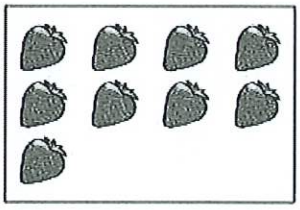
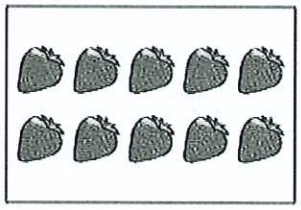
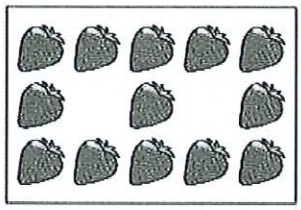
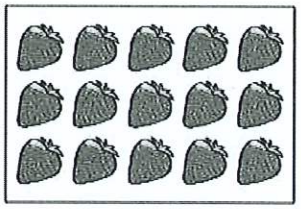
20. Which picture shows an even number of strawberries?

○ 

○ 

○ 

○ 

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21. Autumn counts by the same number each time. Here are the numbers she counts. A number she counts is missing.

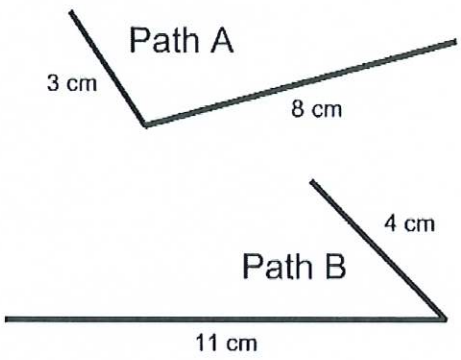
390, 395, _____, 405

What is the missing number?

A. 396 B. 400

C. 406 D. 410

22. Use a centimeter ruler. Measure each path to the nearest centimeter.



Which path is longer? _____

How much longer?

_____ centimeters longer

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23. Part A. There are 52 people at the zoo. 17 people leave. How many people are left?

Cara breaks apart 17 into 10 + 2 + 3. She finds 52 – 2 = 50. Next, 50 – 3 = 47. Then 47 – 10 = 37. She says 37 people are left.

Choose Yes if you agree or No, if you do not agree.

○ Yes ○ No

Part B. Cara explains why her strategy works.

I broke apart 17 into tens and ones correctly. I subtracted the ones first and then the tens.

Choose Yes if you agree or No if you do not agree.

○ Yes ○ No

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24. This rectangle is shown with three equal parts.

Use words to correctly describe the whole rectangle.

A. one half

B. two thirds

C. three thirds

D. three fourths

25. Is the statement true? Choose Yes or No.

405 < 411 ○ Yes ○ No

834 = 834 ○ Yes ○ No

588 > 600 ○ Yes ○ No

154 < 145 ○ Yes ○ No

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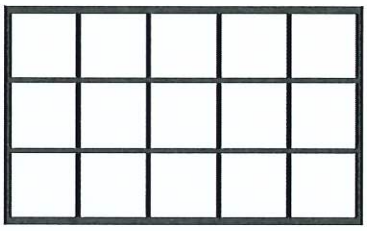
26. Count the number of squares in the rows and columns of the rectangle. Use repeated addition. Write the missing numbers in the equations.



Rows: ___ + ___ + ___ + ___ = ___ squares

Columns: ___ + ___ + ___ + ___ + ___ = ___ squares

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27. Students were asked about their favorite season. 7 said summer. 5 said fall. 3 said winter. 4 said spring. Which row of the picture graph shows the wrong data?

Favorite Seasons	
Summer	☺☺☺☺☺☺☺
Fall	☺☺☺☺☺
Winter	☺☺☺☺
Spring	☺☺☺☺
Each ☺ = 1 student	

A Summer **B** Fall **C** Winter **D** Spring

28. How many dollars are shown?

A $131 **C** $127

B $130 **D** $221

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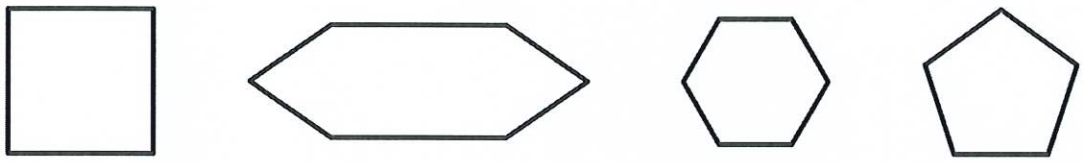
29. Which polygon is a pentagon?



A **B** **C** **D**

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30. Shawna has a board that is 37 inches long. She measures and cuts off 19 inches of the board. How long is the board now?

Part A. Which tools can you use to solve the problem? Choose all that apply.

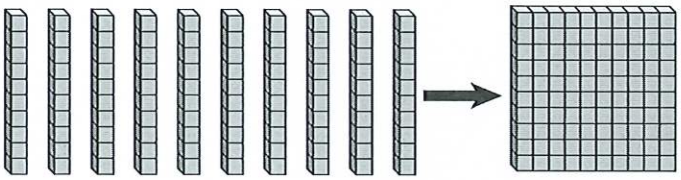
- ☐ inch ruler
- ☐ meter stick
- ☐ paper and pencil
- ☐ number line
- ☐ pan balance

Part B. Write an equation to show the unknown in the problem. Then use any strategy to solve.

____ ◯ ____ = ____

____ inches

31. Look at the model and complete the sentence.



_____ tens equals _____ hundred.

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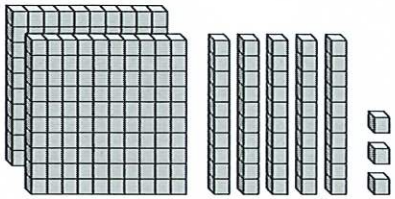
32. Write the word form for the number shown below.



A. Two hundred fifty

B. Two hundred three

C. Two hundred thirty-five

D. Two hundred fifty-three

33. You could measure the length of a house with meter sticks or centimeter rulers.

Would you need more **meter sticks** or more **rulers** to measure this length?

More _____

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34. Which is the best estimate for the height of a man?

A 3 feet

B 5 yards

C 36 inches

D 72 inches

35. Maria has these coins. How much money does she have?

_____ cents

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36. Brad kicks a ball 25 yards to Yoshi. Then, Yoshi kicks the ball 17 yards back to Brad. How far is the ball from Brad now?

_____ yards

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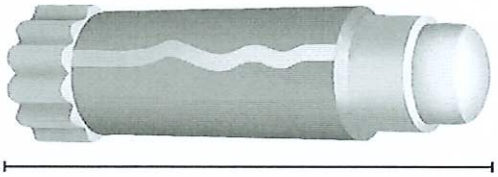
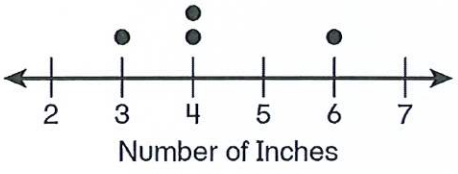
37. Henry measures different items in his classroom to the nearest inch. One item measures 5 inches. Two other items each measure 4 inches.

Measure the length of the glue stick to the nearest inch.

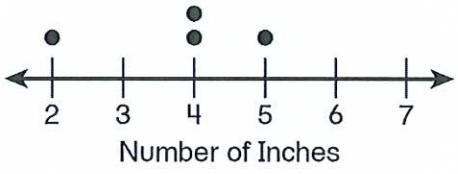


Which line plot shows the lengths Henry found and the length of the glue stick?

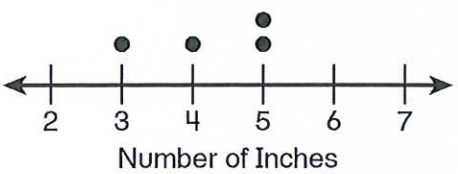
A



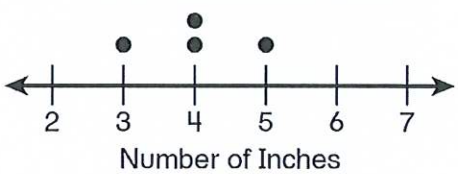
C



B



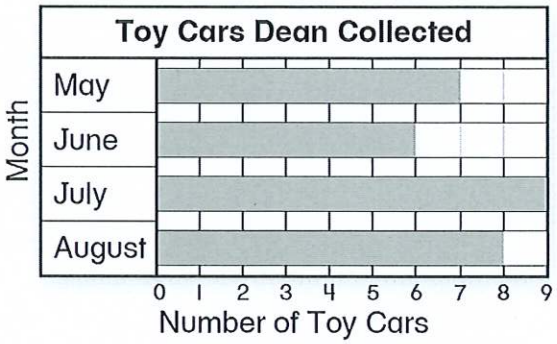
D



38. Use the bar graph to answer the question.

How many toy cars did Dean collect in all for May and July?

____ toy cars



Addition facts

Addition Practice Worksheet

Find the sums.

2 + 6	1 + 2	8 + 3	5 + 0	7 + 2	8 + 1	9 + 9	3 + 1	6 + 2	8 + 8
7 + 3	3 + 5	9 + 10	4 + 1	3 + 2	5 + 6	7 + 5	2 + 2	7 + 1	2 + 9
1 + 8	6 + 5	10 + 8	4 + 6	2 + 5	1 + 6	9 + 4	5 + 2	9 + 2	8 + 5
8 + 0	6 + 4	6 + 6	8 + 4	7 + 6	3 + 3	9 + 3	3 + 8	3 + 4	8 + 9
3 + 6	5 + 9	1 + 7	7 + 9	10 + 2	0 + 5	1 + 9	1 + 1	8 + 2	7 + 7
2 + 3	6 + 8	6 + 1	1 + 10	5 + 1	2 + 4	5 + 7	2 + 7	7 + 4	4 + 2
8 + 7	0 + 4	5 + 4	7 + 8	0 + 8	9 + 8	0 + 2	1 + 5	4 + 7	8 + 6
6 + 9	4 + 3	10 + 9	4 + 4	5 + 5	4 + 5	0 + 7	4 + 8	9 + 6	9 + 5
2 + 1	1 + 4	9 + 7	0 + 3	4 + 10	0 + 10	5 + 8	1 + 3	0 + 9	9 + 0
0 + 1	0 + 6	5 + 3	10 + 3	9 + 1	10 + 6	3 + 7	3 + 9	8 + 10	2 + 0

Addition facts

Addition Practice Worksheet

Find the sums.

5 + 6	2 + 1	8 + 1	8 + 4	5 + 8	5 + 0	3 + 0	7 + 7	3 + 6	6 + 9
0 + 2	4 + 2	6 + 5	5 + 3	2 + 7	2 + 6	2 + 9	10 + 1	7 + 4	5 + 2
6 + 0	5 + 7	0 + 5	8 + 7	9 + 6	3 + 1	5 + 10	1 + 7	6 + 3	7 + 8
9 + 8	2 + 3	6 + 4	0 + 0	10 + 4	1 + 8	1 + 3	4 + 4	4 + 6	8 + 0
6 + 1	3 + 7	6 + 6	4 + 8	0 + 1	2 + 8	8 + 9	7 + 3	8 + 8	2 + 5
5 + 1	4 + 5	10 + 6	4 + 3	9 + 2	2 + 4	7 + 6	3 + 9	4 + 9	9 + 4
1 + 4	5 + 4	4 + 1	6 + 10	7 + 1	9 + 1	8 + 5	3 + 8	6 + 7	9 + 3
7 + 5	9 + 7	6 + 2	1 + 5	5 + 5	3 + 2	7 + 2	10 + 3	10 + 10	0 + 10
2 + 2	1 + 0	1 + 10	1 + 6	3 + 5	8 + 6	0 + 3	9 + 5	2 + 10	6 + 8
5 + 9	10 + 9	3 + 3	10 + 8	10 + 5	0 + 4	8 + 3	3 + 4	0 + 6	2 + 0

Subtraction under 20

Subtraction Facts Worksheet

Find the differences

11 − 0	13 − 0	9 − 2	13 − 5	19 − 5	15 − 4	14 − 4	14 − 1
18 − 4	11 − 1	11 − 2	9 − 5	8 − 4	17 − 1	8 − 5	19 − 0
12 − 1	10 − 0	12 − 4	15 − 1	13 − 2	15 − 3	17 − 2	14 − 0
16 − 2	17 − 8	13 − 7	15 − 7	9 − 4	11 − 6	13 − 3	13 − 1
14 − 6	18 − 6	13 − 6	14 − 3	18 − 3	14 − 5	16 − 4	10 − 1
10 − 3	9 − 1	12 − 7	19 − 7	13 − 8	17 − 3	17 − 6	10 − 6
12 − 0	14 − 2	16 − 0	12 − 3	11 − 7	17 − 5	9 − 6	17 − 9
10 − 4	11 − 8	11 − 4	15 − 0	17 − 4	16 − 6	9 − 0	17 − 7

Subtraction under 20

Subtraction Facts Worksheet

Find the differences

18 − 6 =	18 − 3 =	17 − 2 =	10 − 5 =	15 − 4 =	18 − 4 =	8 − 4 =	17 − 5 =
18 − 2 =	10 − 4 =	18 − 8 =	10 − 0 =	10 − 7 =	8 − 2 =	12 − 2 =	17 − 4 =
17 − 7 =	17 − 8 =	13 − 3 =	9 − 6 =	8 − 1 =	19 − 5 =	16 − 7 =	11 − 1 =
18 − 1 =	12 − 0 =	16 − 9 =	15 − 1 =	11 − 7 =	13 − 8 =	19 − 7 =	13 − 0 =
18 − 5 =	11 − 5 =	10 − 2 =	12 − 5 =	13 − 1 =	13 − 4 =	8 − 5 =	12 − 6 =
12 − 3 =	14 − 4 =	13 − 2 =	19 − 3 =	17 − 1 =	16 − 1 =	19 − 6 =	10 − 3 =
11 − 4 =	11 − 3 =	15 − 2 =	12 − 1 =	15 − 6 =	14 − 6 =	11 − 8 =	18 − 0 =
16 − 3 =	11 − 6 =	19 − 2 =	19 − 8 =	17 − 6 =	8 − 0 =	8 − 3 =	19 − 4 =