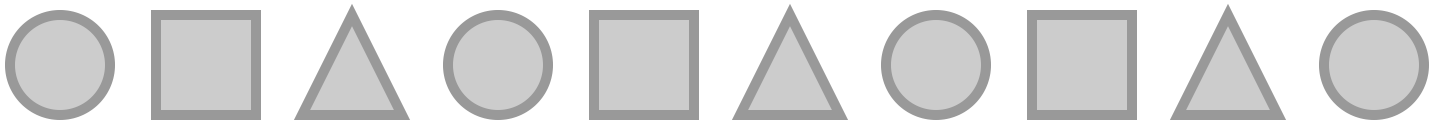


TANG MATH

Grade 3 Readiness Answer Key



Intervention Module
Assessment 2

Grade 3 Readiness

Teacher Directions: Place a mark next to each incorrect question. Assign the lessons listed to the right of the checkbox.

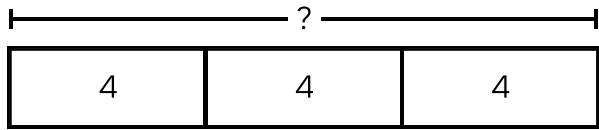
#	Source	Backfill Lessons
1.	<input type="checkbox"/> 2-18: Model Equal Groups with Bar Models	2-17, 2-18
2.	<input type="checkbox"/> 2-19: Model Arrays with Counters	2-19
3.	<input type="checkbox"/> 2-20: Model Arrays with Unit Squares	2-20
4.	<input type="checkbox"/> 2-21: Model Arrays with Unit Cubes	2-21
5.	<input type="checkbox"/> 2-77: Place Value to 1,000 with Number Bonds	1-95, 1-106, 2-76, 2-77
6.	<input type="checkbox"/> 2-74: Compare 2-Digit Numbers: Unambiguous Tens...	1-99, 2-71, 2-72, 2-73, 2-74
7.	<input type="checkbox"/> 2-78: Compare 3-Digit Numbers	2-78
8.	<input type="checkbox"/> 2-82: Shift 100 & 10 to Regroup using Number Bonds	1-102, 2-79, 2-80, 2-81, 2-82
9.	<input type="checkbox"/> 2-26: Add Double-Digit Numbers with Regrouping	1-45, 1-112, 1-114, 1-115, 2-25, 2-26
10.	<input type="checkbox"/> 2-26: Add Double-Digit Numbers with Regrouping	1-45, 1-112, 1-114, 1-115, 2-25, 2-26
11.	<input type="checkbox"/> 2-88: Add 3 2-Digit Addends	2-84, 2-87, 2-88
12.	<input type="checkbox"/> 2-95: 3-Digit Addends: Shift 100 & 10	2-91, 2-92, 2-93, 2-94, 2-95
13.	<input type="checkbox"/> 2-31: Subtract using the Make 10s Strategy	1-57, 2-29, 2-30, 2-31
14.	<input type="checkbox"/> 2-32: Subtract Multiples of 10	2-32
15.	<input type="checkbox"/> 2-35: Subtract Double-Digit Numbers with Regroupi...	1-103, 1-108, 2-33, 2-34, 2-35
16.	<input type="checkbox"/> 2-106: 3-Digit Subtrahends: Shift 100 & 10	2-103, 2-104, 2-105, 2-106
17.	<input type="checkbox"/> 2-39: Add-To or Put-Together Word Problems	K-49, K-85, 1-27, 1-28, 2-39
18.	<input type="checkbox"/> 2-43: Take-From or Take-Apart Word Problems	K-54, K-98, 1-29, 1-30, 2-43
19.	<input type="checkbox"/> 2-52: Comparison Word Problems	2-44, 2-45, 2-46, 2-47, 2-48, 2-49, 2-52
20.	<input type="checkbox"/> 2-67: Unscaffolded Join & Separate Word Problems	1-69, 1-74, 2-63, 2-67
21.	<input type="checkbox"/> 2-69: Unscaffolded Total-Unknown Word Problems ...	2-64, 2-65, 2-66, 2-68, 2-69
22.	<input type="checkbox"/> 2-54: Compare Unit Fractions using Rods & Bar Mo...	2-53, 2-54
23.	<input type="checkbox"/> 2-56: Model Proper Fractions Flexibly	2-55, 2-56
24.	<input type="checkbox"/> 2-62: Reason About Fractions with Non-Congruent ...	2-57, 2-58, 2-60, 2-61, 2-62
25.	<input type="checkbox"/> 2-114: Measure and Compare Lengths in Centimeters	1-121, 2-113, 2-114
26.	<input type="checkbox"/> 2-120: Number Lines - Read and Represent Length	1-123, 2-120
27.	<input type="checkbox"/> 2-124: Money - Add & Compare Groups of Coins	2-123, 2-124
28.	<input type="checkbox"/> 2-126: Tell Time to the Nearest 5 Minutes	1-130, 1-131, 1-132, 2-125, 2-126
29.	<input type="checkbox"/> 2-134: Defining Attributes of 2D Shapes	K-123, 1-134, 2-134
30.	<input type="checkbox"/> 2-131: Horizontal Bar Graphs within 20	2-128, 2-129, 2-130, 2-131

Name: _____

TANG MATH

1.

$$3 \text{ groups of } 4 = \underline{12}$$



How many equal groups? 3

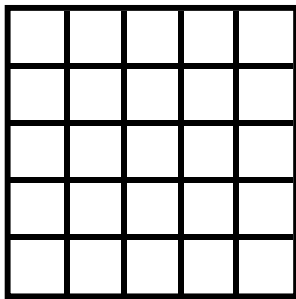
How much in each group? 4

How much in all? 12

2-18 2.OA.4

3.

The rectangle is partitioned into same-size squares with **5 rows and 5 columns**.

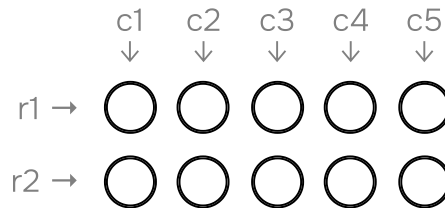


How many unit squares in all? 25

2-20 2.OA.4, 2.G.2

2.

Below is an array with:
2 ROWS AND 5 COLUMNS

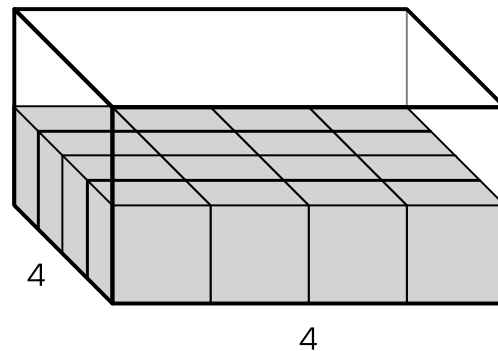


How many in all? 10

2-19 2.OA.4

4.

The length of a rectangular prism is 4 and the width is 4.

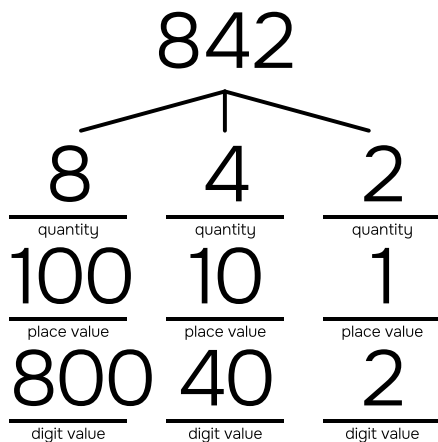


Area of base: $4+4+4+4=16$

2-21 2.OA.4

Name:

5.



6.

Compare the numbers and write the correct symbol: (< = >).

$$32 \boxed{<} 68$$

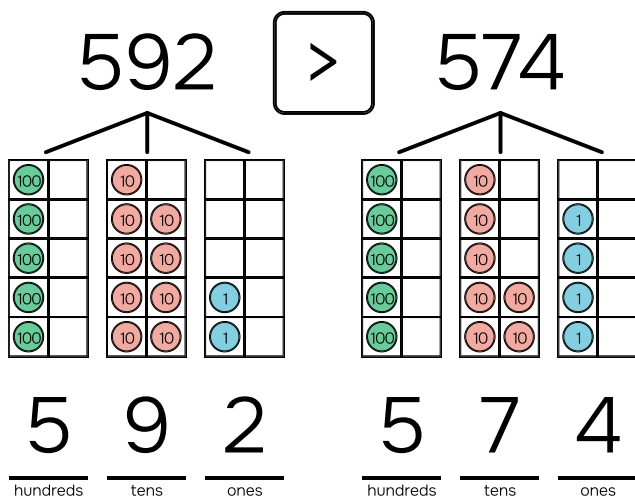
What is the difference? 36

2-77 2.NBT.1, 2.NBT.3

2-74 2.NBT.4

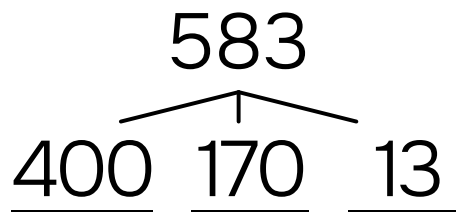
7.

Compare the numbers and write the correct symbol: (< = >).



8.

Shift 100 and 10.



2-78 2.NBT.1, 2.NBT.4

2-82 2.NBT.3

Name:

TANG MATH

9.

$$12 + 39 = \underline{51}$$

$$10 + 30 = 40$$

$$2 + 9 = \underline{11}$$

$$40 + 11 = \underline{51}$$

10.

$$48 + 27 = \underline{75}$$

$$40 + 20 = 60$$

$$8 + 7 = \underline{15}$$

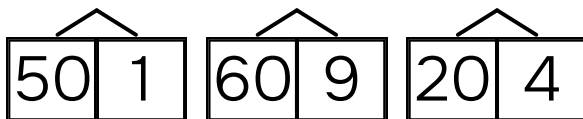
$$60 + 15 = \underline{75}$$

2-26 2.NBT.5

2-26 2.NBT.5

11.

$$51 + 69 + 24$$



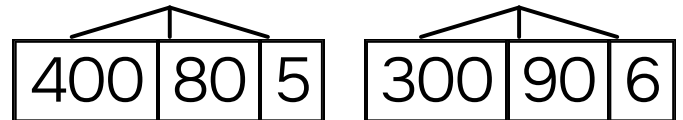
$$\underline{50} + \underline{60} + \underline{20} = \underline{130}$$

$$\underline{1} + \underline{9} + \underline{4} = \underline{14}$$

$$\underline{130} + \underline{14} = \underline{144}$$

12.

$$485 + 396$$



$$\underline{400} + \underline{300} = \underline{700}$$

$$\underline{80} + \underline{90} = \underline{170}$$

$$\underline{5} + \underline{6} = \underline{11}$$

$$\underline{700} + \underline{170} + \underline{11} = \underline{881}$$

2-88 2.NBT.6, 2.NBT.9

2-95 2.NBT.7

Name:

13.

Use the **Make 10s** strategy.

$$82 - 7 = \underline{75}$$

$$82 - 2 = 80$$

$$80 - 5 = 75$$

14.

$$46 - 20 = \underline{26}$$

2-31 2.NBT.5

15.

$$\begin{array}{r} 72 - 24 \\ \hline \end{array}$$

7	2	-	2	4
7	2		2	4

60 12

$$\begin{array}{r} 60 - 20 = 40 \\ \hline 12 - 4 = 8 \\ \hline 40 + 8 = \underline{48} \end{array}$$

2-32 2.NBT.5, 2.NBT.8

16.

$$\begin{array}{r} 532 - 179 \\ \hline \end{array}$$

5	3	2	-	1	7	9
5	3	2		1	7	9

~~400 130 2~~
400 120 12

$$\begin{array}{r} 400 - 100 = 300 \\ \hline 120 - 70 = 50 \\ \hline 12 - 9 = 3 \\ \hline 300 + 50 + 3 = \underline{353} \end{array}$$

2-35 2.NBT.5

2-106 2.NBT.7

Name: _____

TANG MATH

17.

Ian picks some peppers. Troy gives Ian 19 more peppers. Now Ian has 67 peppers. How many peppers did Ian pick?

Ian picked _____ peppers.

2-39 2.OA.1, 2.NBT.9

18.

Molly finds 72 shells.
Molly gives some shells to Eva.
Now Molly has 44 shells.
How many shells did Molly give to Eva?

Molly gave _____ shells to Eva.

2-43 2.OA.1, 2.NBT.9

Name: _____

TANG MATH

19.

Zach picks 84 grapes.
Seth picks 36 fewer grapes than Zach.
How many grapes did Seth pick?

Seth picked _____ grapes.

2-52 2.OA.1

20.

Brett finds 49 yellow golf balls and 35 white golf balls. Brett gives 38 golf balls to Helen. How many golf balls does Brett have left?

Brett has _____ golf balls left.

2-67 2.OA.1, 2.NBT.9

Name: _____

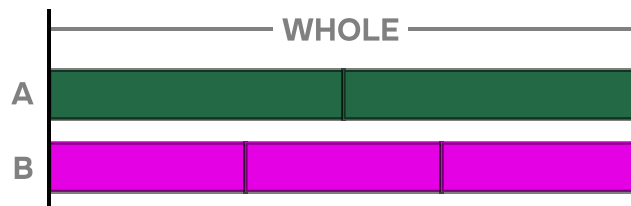
21.

Piper catches 46 fish. Tom catches 18 fewer fish than Piper. How many fish do Piper and Tom catch all together?

Piper and Tom catch ___ fish all together.

2-69 2.OA.1

22.



A shows: thirds halves

B shows: thirds halves

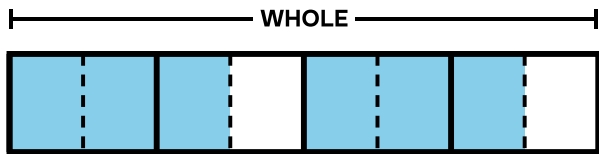
Larger parts: thirds halves

Smaller parts: thirds halves

2-54 2.G.3

Name:

23.

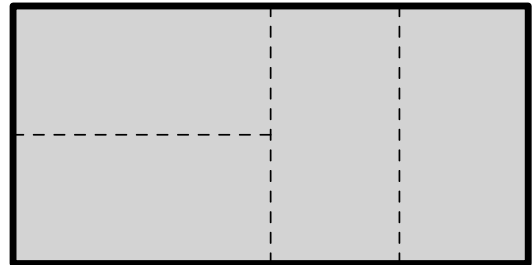


Equal parts shaded: $\frac{6}{8}$

Equal parts in the whole: $\frac{8}{8}$

24.

The shape is partitioned into equal parts.



What is the name of each part?

half third **fourth** sixth eighth

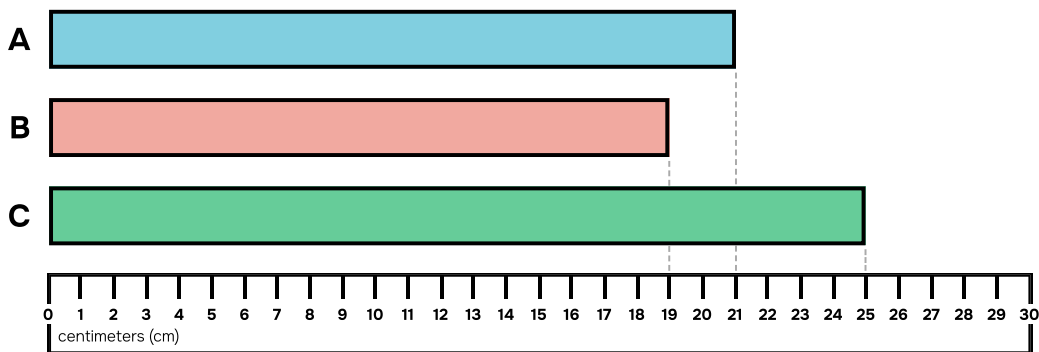
Are all of the parts the same shape?

yes no

2-56 2.G.3

2-62 2.G.3

25.



The length of **A** is 21 cm **A** is 2 cm longer than **B**

The length of **B** is 19 cm **A** is 4 cm shorter than **C**

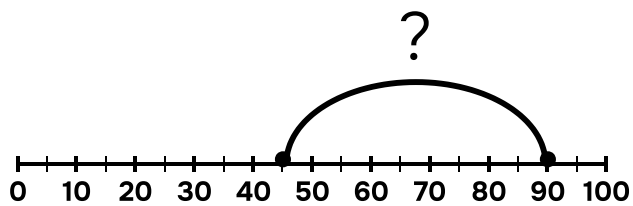
The length of **C** is 25 cm **B** is 6 cm shorter than **C**

2-114 2.MD.4, 2.MD.5

Name: _____

TANG MATH

26.



Start: $\frac{45}{90}$
End: $\frac{90}{45}$
Distance: $\frac{45}{45}$

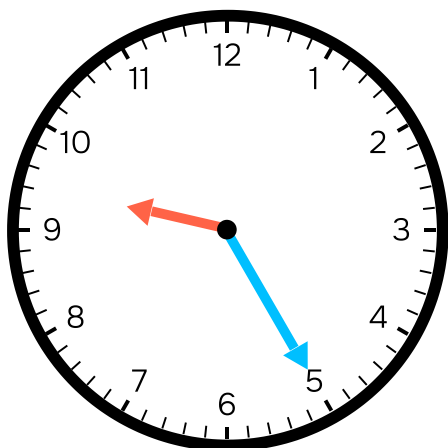
27.

What is the total? 25¢



2-120 2.MD.6

28.

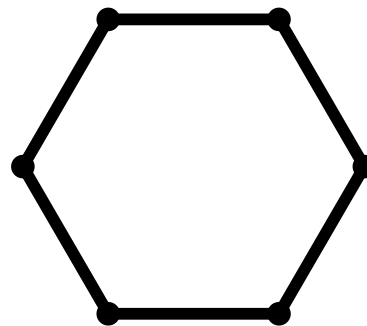


What time is it? 9 : 25

2-124 2.MD.8

29.

Draw a hexagon by connecting the dots.



How many sides? $\frac{6}{0}$
How many square vertices? $\frac{0}{yes}$
Are all sides equal in length? yes

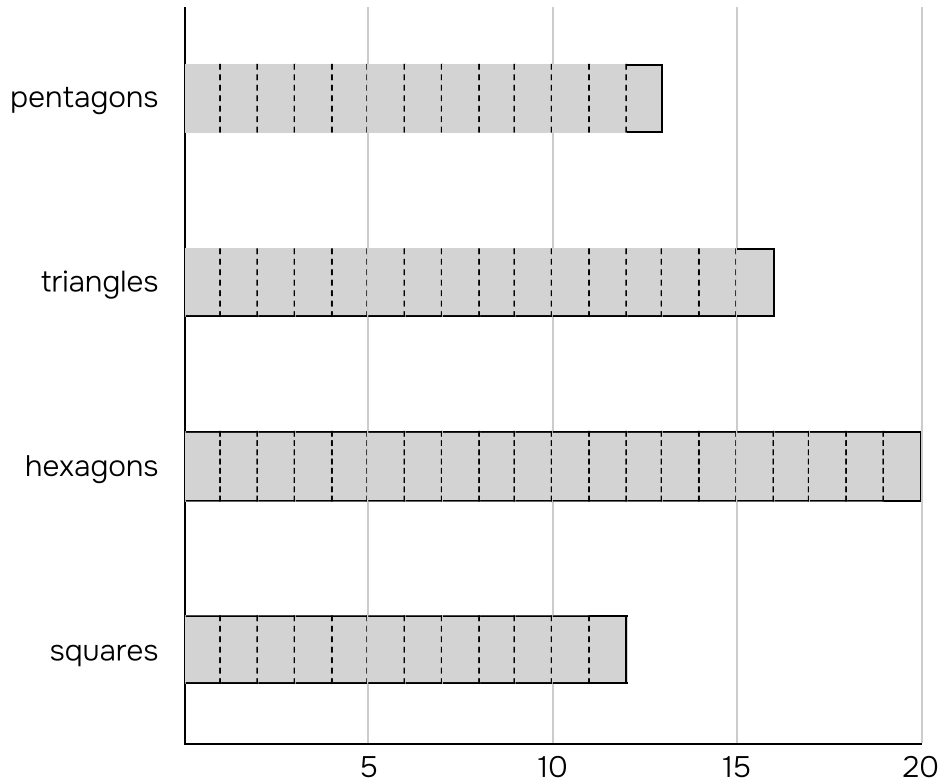
2-126 2.MD.7

2-134 2.G.1

Name: _____

30.

Number of Shapes



Most: pentagons triangles hexagons squares

Fewest: pentagons triangles hexagons squares

More: pentagons + triangles hexagons + squares

Fewer: pentagons + hexagons triangles + squares

pentagons + triangles + hexagons + squares: 61