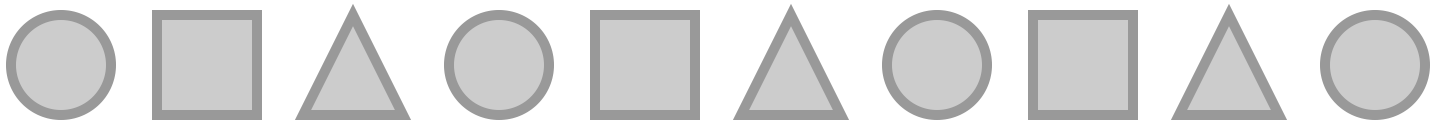


TANG MATH

Grade 3 Readiness Answer Key



Intervention Module
Assessment 1

Grade 3 Readiness

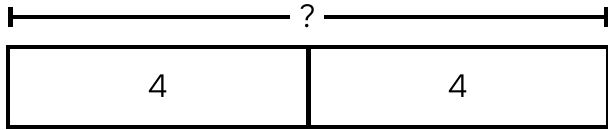
Teacher Directions: Place a mark next to each incorrect question. Assign the lessons listed to the right of the checkbox.

#	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: _____

1.

$$2 \text{ groups of } 4 = \underline{8}$$



How many equal groups? 2

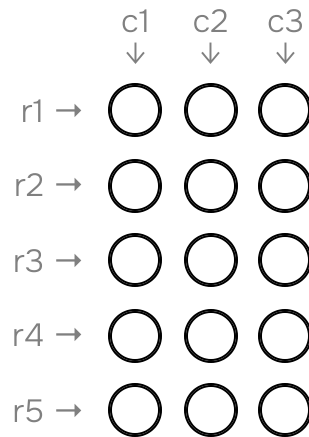
How much in each group? 4

How much in all? 8

2-18 2.OA.4

2.

Below is an array with:
5 ROWS AND 3 COLUMNS

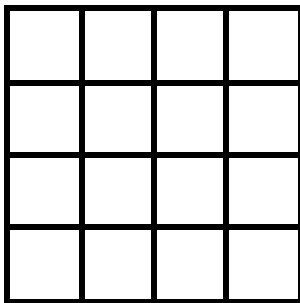


How many in all? 15

2-19 2.OA.4

3.

The rectangle is partitioned into same-size squares with **4 rows and 4 columns**.

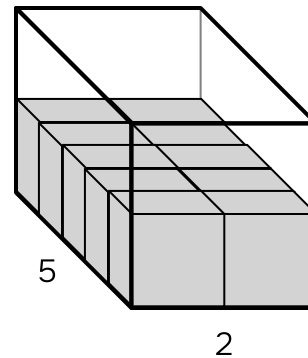


How many unit squares in all? 16

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

4.

The length of a rectangular prism is 5 and the width is 2.

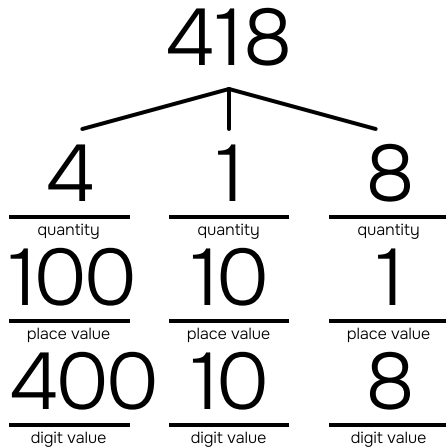


Area of base: $2+2+2+2+2=10$

2-21 2.OA.4

Name: _____

5.



6.

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

$$75 \boxed{<} 89$$

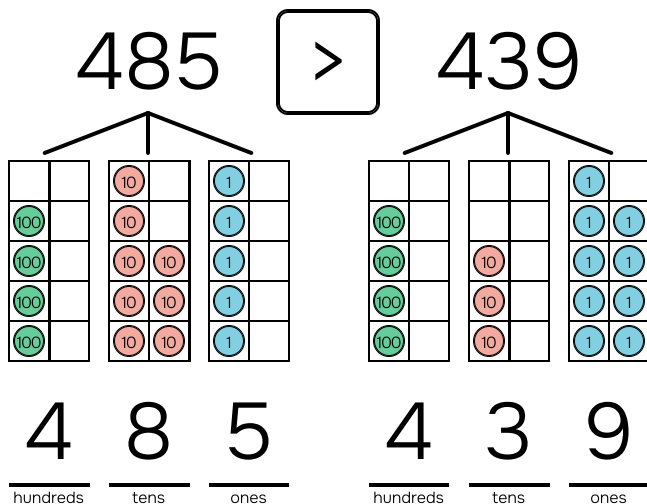
What is the difference? 14

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

2-74 2.NBT.4

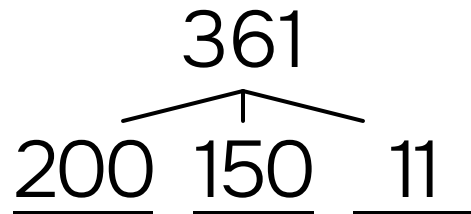
7.

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.

$$76 + 18 = \underline{94}$$

$$70 + 10 = 80$$

$$6 + 8 = \underline{14}$$

$$80 + 14 = 94$$

10.

$$37 + 59 = \underline{96}$$

$$30 + 50 = 80$$

$$7 + 9 = \underline{16}$$

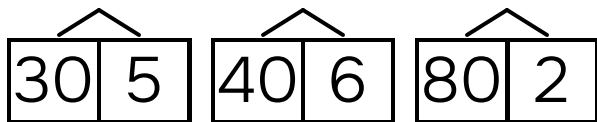
$$80 + 16 = 96$$

2-26 2.NBT.5

2-26 2.NBT.5

11.

$$35 + 46 + 82$$



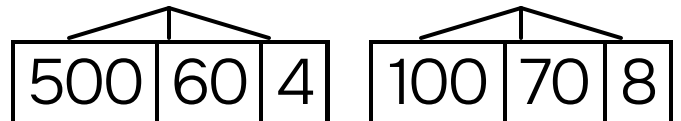
$$\underline{30} + \underline{40} + \underline{80} = \underline{150}$$

$$\underline{5} + \underline{6} + \underline{2} = \underline{13}$$

$$150 + 13 = \underline{163}$$

12.

$$564 + 178$$



$$\underline{500} + \underline{100} = \underline{600}$$

$$\underline{60} + \underline{70} = \underline{130}$$

$$\underline{4} + \underline{8} = \underline{12}$$

$$600 + 130 + 12 = \underline{742}$$

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

2-95 2.NBT.7

Name:

13.

Use the **Make 10s** strategy.

$$51 - 4 = \underline{47}$$

$$51 - 1 = 50$$

$$50 - 3 = 47$$

14.

$$79 - 40 = \underline{39}$$

2-31 2.NBT.5

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

15.

$$\begin{array}{r} 83 - 36 \\ \hline \begin{array}{|c|c|} \hline \cancel{80} & \cancel{3} \\ \hline 70 & 13 \\ \hline \end{array} \quad \begin{array}{|c|c|} \hline 30 & 6 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} 70 - 30 = 40 \\ 13 - 6 = 7 \\ \hline 40 + 7 = \underline{47} \end{array}$$

16.

$$\begin{array}{r} 915 - 227 \\ \hline \begin{array}{|c|c|c|} \hline \cancel{900} & \cancel{10} & \cancel{5} \\ \hline 800 & 10 & 5 \\ \hline \end{array} \quad \begin{array}{|c|c|c|} \hline 200 & 20 & 7 \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} 800 - 200 = 600 \\ 100 - 20 = 80 \\ 15 - 7 = 8 \\ \hline 600 + 80 + 8 = \underline{688} \end{array}$$

2-35 2.NBT.5

2-106 2.NBT.7

Name: _____

17.

There are 57 kids at the beach. Some more kids join them. Now there are 86 kids at the beach. How many kids joined them?

_____ kids joined them.

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

18.

There are some fish in a lagoon.
48 fish swim away.
Now there are 18 fish in a lagoon.
How many fish were in a lagoon to start?

_____ fish were in a lagoon to start.

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

Name: _____

19.

Jovie picks 56 cherries.

Jovie picks 35 fewer cherries than Jean.

How many cherries did Jean pick?

Jean picked _____ cherries.

20.

There were 12 adults and 28 kids in the gym. 39 more people enter the gym. How many people are in the gym now?

There are _____ people in the gym now.

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

Name: _____

21.

Austin finds 29 golf balls. Josie finds 38 more golf balls than Austin. How many golf balls do Josie and Austin find all together?

Josie and Austin find _____ golf balls all together.

2-69 2.OA.1

22.



A shows: eighths fourths

B shows: eighths fourths

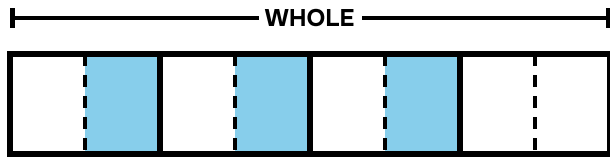
Larger parts: eighths fourths

Smaller parts: eighths fourths

2-54 2.G.3

Name: _____

23.



Equal parts shaded:

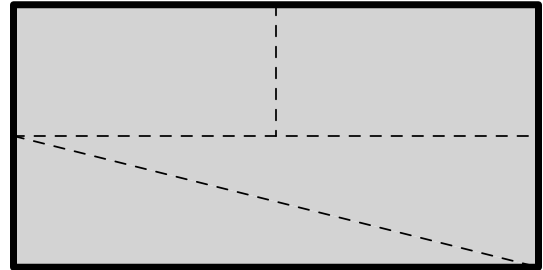
$\frac{3}{8}$

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

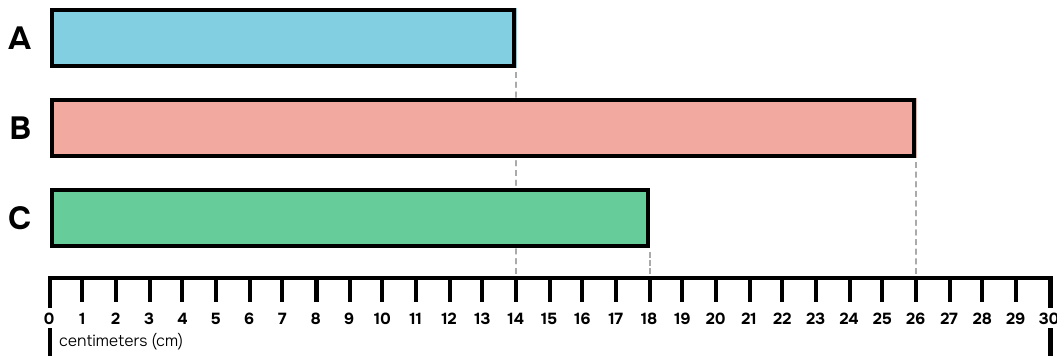
Are all of the parts the same shape?

yes **no**

2-56 2.G.3

2-62 2.G.3

25.



The length of **A** is 14 cm **A** is 12 cm shorter than **B**

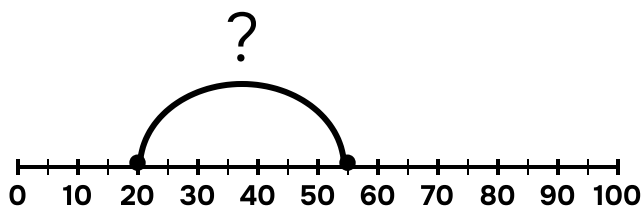
The length of **B** is 26 cm **A** is 4 cm shorter than **C**

The length of **C** is 18 cm **B** is 8 cm longer than **C**

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

Name: _____

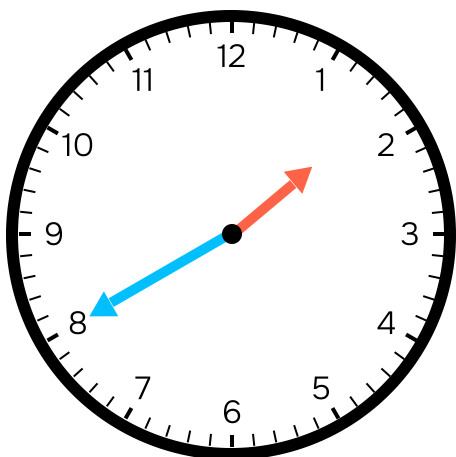
26.



Start: $\frac{20}{55}$
End: $\frac{55}{35}$
Distance: $\frac{35}{}$

2-120 2.MD.6

28.



What time is it? $\frac{1}{:40}$

2-126 2.MD.7

27.

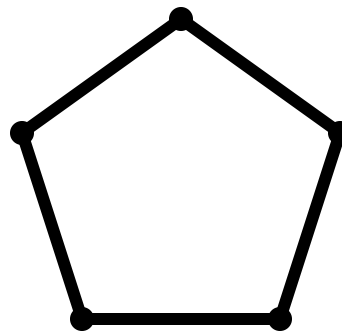
What is the total? $\frac{41\text{¢}}{}$



2-124 2.MD.8

29.

Draw a **pentagon** by connecting the dots.



How many sides? $\frac{5}{}$

How many square vertices? $\frac{0}{}$

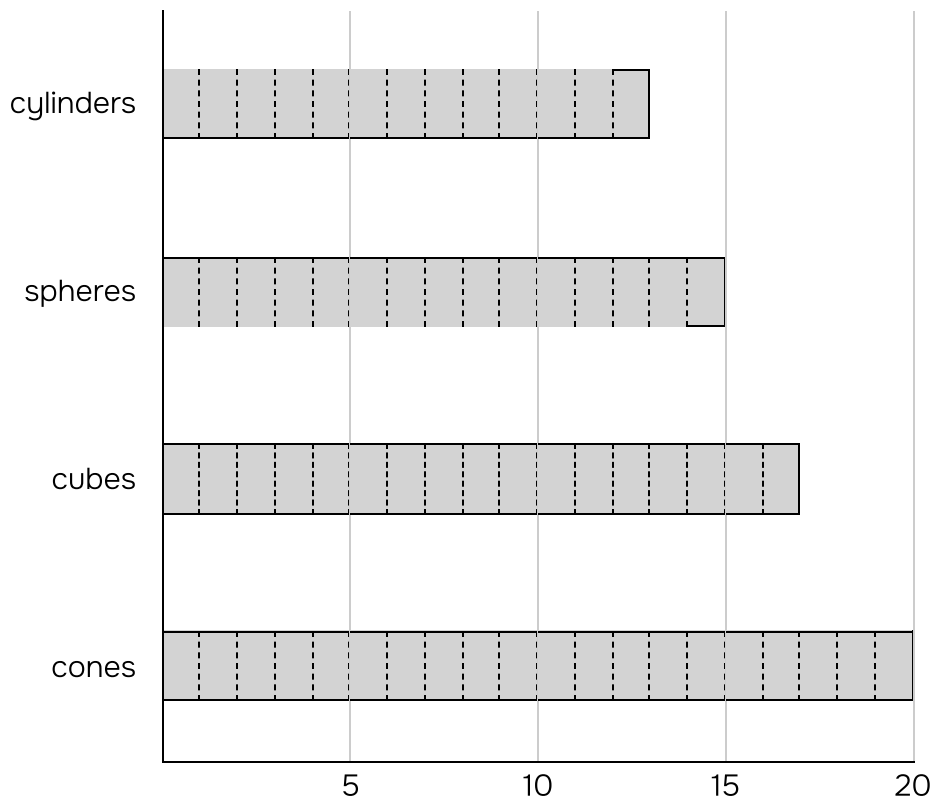
Are all sides equal in length? $\frac{\text{yes}}{}$

2-134 2.G.1

Name: _____

30.

Number of Solids



Most: cylinders spheres cubes cones

Fewest: cylinders spheres cubes cones

More: cylinders + spheres cubes + cones

Fewer: cylinders + cubes spheres + cones

cylinders + spheres + cubes + cones: 65