TANG MATH

Grade 4 Readiness

Answer Key

Intervention Module

Assessment 2

Grade 4 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.	☐ 3-26: Place Value to 10,000: Expanded Form*	1-105, 2-76, 2-77, 3-26
2.	☐ 3-22: Place Value to 1,000: Rename Hundreds ...	2-79, 2-80, 2-82, 3-22
3.	☐ 3-24: Rounding 3-Digit Numbers to the Neare...	3-23, 3-24
4.	☐ 2-95: 3-Digit Addends: Shift 100 & 10	2-91, 2-92, 2-93, 2-94, 2-95
5.	☐ 2-106: 3-Digit Subtrahends: Shift 100 & 10	2-103, 2-104, 2-105, 2-106
6.	☐ 3-33: Multiply 2-5 Groups Fluently with Equati...	2-17, 2-18, 2-20, 3-28, 3-29, 3-30, 3-31, 3-32, 3-33
7.	☐ 3-33: Multiply 2-5 Groups Fluently with Equati...	2-17, 2-18, 2-20, 3-28, 3-29, 3-30, 3-31, 3-32, 3-33
8.	☐ 3-46: Multiply 6-10 Groups using Mental Math	3-39, 3-40, 3-41, 3-42, 3-43, 3-44, 3-45, 3-46
9.	☐ 3-46: Multiply 6-10 Groups using Mental Math	3-39, 3-40, 3-41, 3-42, 3-43, 3-44, 3-45, 3-46
10.	☐ 3-99: Multiply to find Area of Rectangles	3-90, 3-91, 3-99
11.	☐ 3-108: Multiply to 100: Number Bonds	3-106, 3-107, 3-108
12.	☐ 3-96: Divide-by-Grouping Partitioning Rectan...	3-89, 3-93, 3-96
13.	☐ 3-59: Divide-by-Sharing Fluently	1-102, 3-45, 3-57, 3-58
14.	☐ 3-59: Divide-by-Sharing Fluently	1-102, 3-45, 3-57, 3-58
15.	☐ 3-71: Divide-by-Grouping Fluently	1-103, 3-46, 3-69, 3-70
16.	☐ 3-112: Divide to 100 with Regrouping: Number ...	3-109, 3-110, 3-111, 3-112
17.	☐ 3-17: 1-Step Word Problems to 1,000: Larger-...	2-50, 2-51, 3-16, 3-17
18.	☐ 3-19: 2-Step Word Problems to 1,000: Join & S...	1-69, 1-74, 2-63, 2-67, 3-19
19.	☐ 3-20: 2-Step Word Problems to 1,000: Differe...	2-64, 2-65, 2-66, 2-68, 2-69, 2-70, 3-20
20.	☐ 3-34: Multiply 2-5 Groups: Equal Groups Story...	3-34
21.	☐ 3-115: Multiply & Divide to 100 Perimeter & Are...	3-35, 3-103, 3-115
22.	☐ 3-78: Fractions of Fractions	3-75, 3-76, 3-77, 3-78
23.	☐ 3-82: Improper Fractions (a/b ≥ 1)	3-79, 3-80, 3-81, 3-82
24.	☐ 3-87: Compare Fractions with Equal Denomin...	3-83, 3-84, 3-85, 3-86, 3-87
25.	☐ 3-122: Scaled Bar Graphs	2-130, 2-131, 3-48, 3-49, 3-121, 3-122
26.	☐ 3-124: Line Plots to the nearest Halves & Four...	2-128, 2-132, 3-123, 3-124
27.	☐ 3-125: Read & Write Time to the Nearest Minute	1-130, 1-131, 2-125, 2-126, 3-125
28.	☐ 3-129: Elapsed Time Bridge the Hour: End-Tim...	3-126, 3-129
29.	☐ 3-130: Elapsed Time Bridge the Hour: Elapsed...	3-127, 3-128, 3-130
30.	☐ 3-135: Classify & Compare Shapes by Category	K-123, 2-134, 3-134, 3-135

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1.

5,927

5	9	2	7
quantity	quantity	quantity	quantity
1,000	100	10	1
place value	place value	place value	place value
5,000	900	20	7
digit value	digit value	digit value	digit value

3-26 4.NBT.2

2.

863

8	6	3
hundreds	tens	ones

80	6	3
tens	tens	ones

86	3
tens	ones

3-22 3.NBT.2, 3.NBT.3

3.

Round 961 to the nearest ten.

961 → 960

3-24 3.NBT.1

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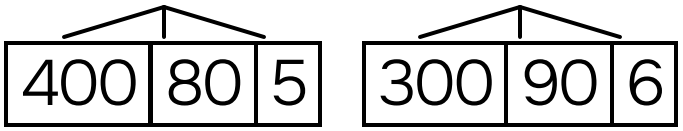
4.

$$485 + 396$$

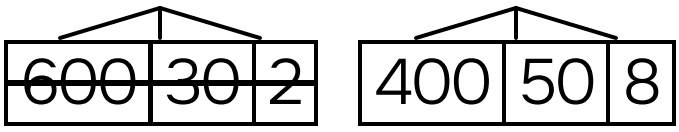


$$\begin{array}{rcrcr} 400 & + & 300 & = & 700 \\ 80 & + & 90 & = & 170 \\ 5 & + & 6 & = & 11 \\ 700 & + & 170 & + & 11 = 881 \end{array}$$

2-95 2.NBT.7

5.

$$632 - 458$$



~~500 130 2~~

500 120 12

$$\begin{array}{rcrcr} 500 & - & 400 & = & 100 \\ 120 & - & 50 & = & 70 \\ 12 & - & 8 & = & 4 \\ 100 & + & 70 & + & 4 = 174 \end{array}$$

2-106 2.NBT.7

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6. $4 \times 4 = 16$

3-33 3.OA.4, 3.OA.7

7. $5 \times 8 = 40$

3-33 3.OA.4, 3.OA.7

8. $7 \times 6 = 42$

3-46 3.OA.4, 3.OA.7

9. $9 \times 8 = 72$

3-46 3.OA.4, 3.OA.7

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10.

A rectangle has a length of 7 centimeters and a width of 7 centimeters.
What is the area?

Area: 7×7=49 cm^2

3-99 3.MD.7

11.

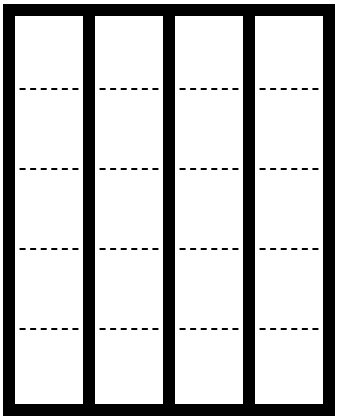
4×21= 84

4×20=80
4× 1= 4
4× 21=84

3-108 3.OA.5, 3.OA.7

12.

20 divided into groups of 5 is 4 .



Outline groups of 5.

3-96 3.MD.7, 3.G.2

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13. SOLVE BY SHARING

$32 \div 4 = \underline{8}$

3-59 3.OA.7

14. SOLVE BY SHARING

$56 \div 8 = \underline{7}$

3-59 3.OA.7

15. SOLVE BY GROUPING

$48 \div 8 = \underline{6}$

3-71 3.OA.7

16.

$84 \div 7 = \underline{12}$

$70 \div 7 = 10$

$14 \div 7 = 2$

$84 \div 7 = 12$

3-112 3.OA.5, 3.OA.7

17.

Henry finds 192 shells. Ben finds 127 more shells than Henry. How many shells did Ben find?

Ben found ____ shells.

3-17 2.OA.1, 3.NBT.2

18.

John plants 215 oak trees and 34 elm trees.
John cuts down 75 trees for lumber.
How many trees does John have left?

John has ____ trees left.

3-19 2.OA.1, 3.OA.8

19.

Alice and Tate find 468 shells all together.
Tate finds 116 shells.
How many more shells did Alice find than Tate?

Alice finds _____ more shells than Tate.

3-20 2.OA.1, 3.OA.8

20.

Troy has 3 shelves. Troy puts 7 books on each shelf. How many books does Troy have in all?

Troy has ___ books in all.

3-34 3.OA.3

21.

The long side of a rectangle is 13 yd. The short side of the rectangle is 7 yd. What is the perimeter of the rectangle? What is the area of the rectangle?

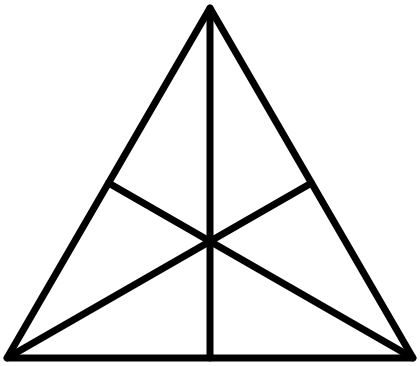
a The rectangle's perimeter is ____ yd.

b The rectangle's area is ___ sq yd.

3-115 3.MD.8

22.

Partition the shape into **6 equal parts**.



What is the name of each part?

half third fourth **sixth** eighth

Shape name: triangle

3-78 3.NF.1, 3.G.2

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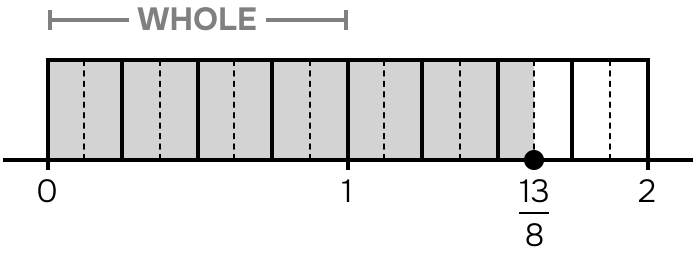
23.



How many equal parts in 1? 8

How many parts are shaded? 13

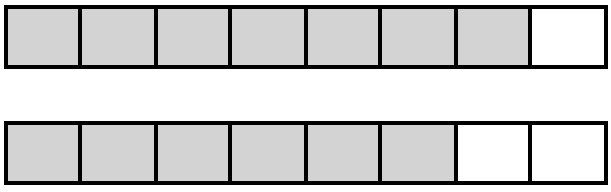
What fraction is shaded? 13/8

3-82 3.NF.2

24.

Use the **equal denominators** strategy.

$\frac{7}{8} > \frac{6}{8}$



More shaded parts: 7/8 = 6/8

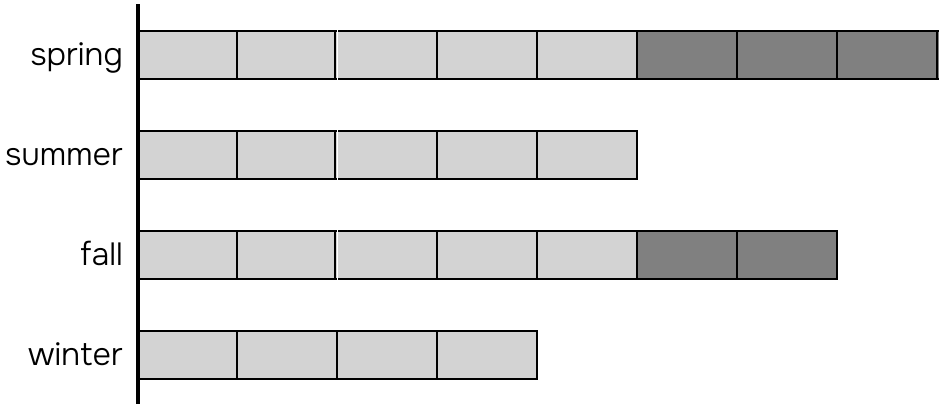
Bigger parts: 7/8 = 6/8

3-87 3.NF.3

25.

The model below represents the number of cookies that were baked by the school cafeteria during each season last year.

Each ▭ represents 12 cookies.



60 cookies were baked in which season?
a) spring b) summer c) fall d) winter — b

How many cookies were baked in fall? — 84

How many cookies were baked in spring? — 96

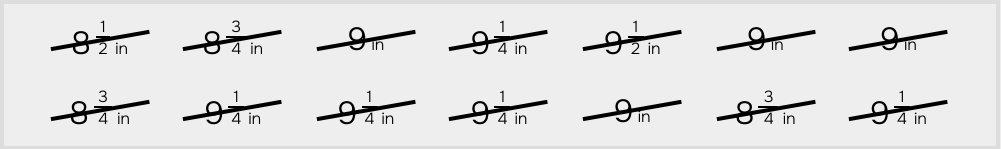
How many cookies were baked in all the seasons? — 288

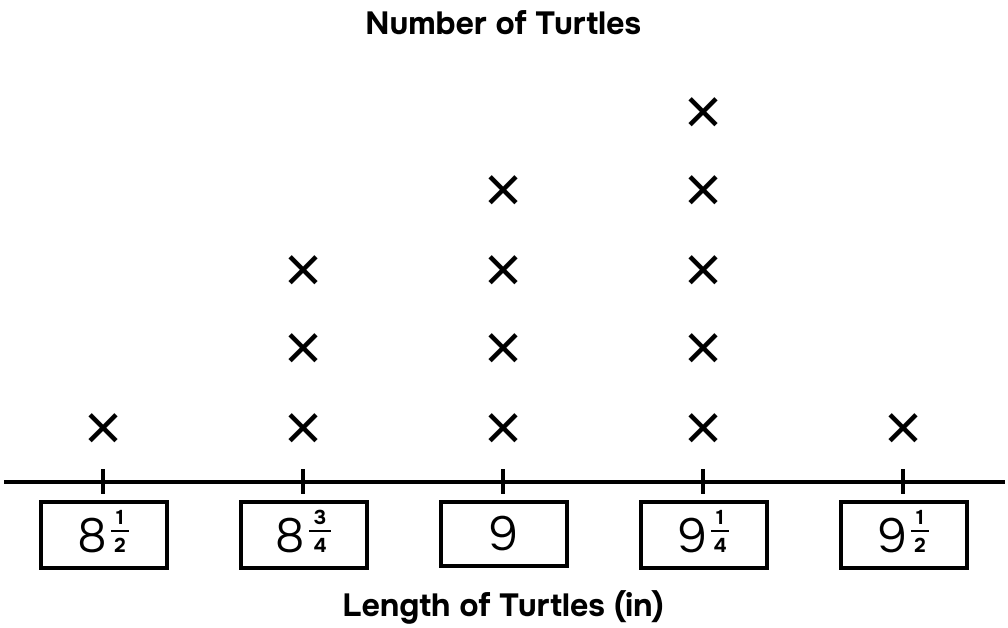
How many more cookies were baked in spring than summer? — 36

How many fewer cookies were baked in summer than fall? — 24

3-122 3.MD.3

26.





How many turtles measure 9½ in? 1

How many turtles measure 8¾ in? 3

How many more turtles measure 8¾ in than 9½ in? 2

What is the total number of turtles? 14

Which length was observed the most? 9¼ in

What is the shortest length observed? 8½ in

What is the longest length observed? 9½ in

3-124 3.MD.4

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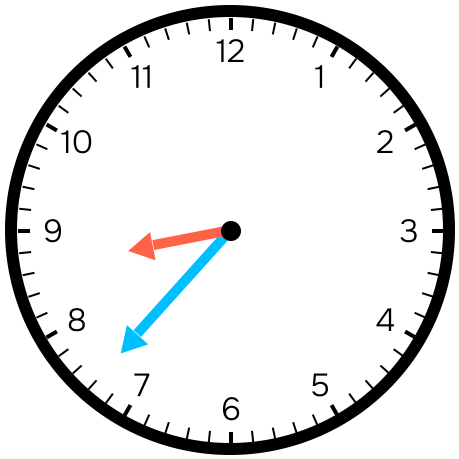
27.



Hour hand is between: 8 & 9

Minutes after the hour: 37

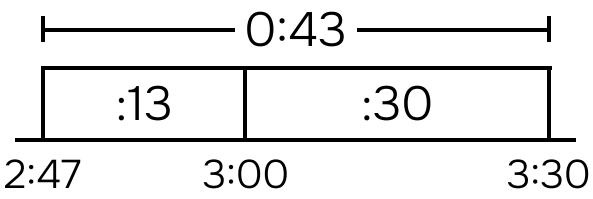
What time is it? 8 :37

3-125 3.MD.1

28.

The start time is 2:47. The elapsed time is 0:43. What is the end time?

3 : 30

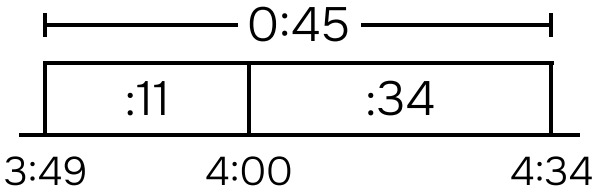


3-129 3.MD.1

29.

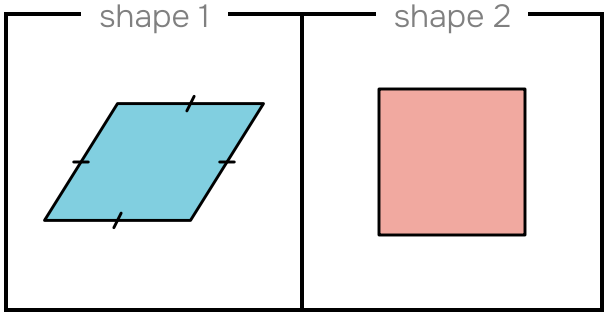
The start time is 3:49. The end time is 4:34. What is the elapsed time?

0 : 45



3-130 3.MD.1

30.



Shared Attributes:

- ☐ 3 sides
- ☑ 4 sides
- ☐ 5 sides
- ☐ 6 sides
- ☐ square corners
- ☑ all sides equal

Shared Categories:

- ☐ triangle
- ☑ quadrilateral
- ☑ rhombus
- ☐ rectangle
- ☐ square
- ☐ pentagon
- ☐ hexagon

3-135 3.G.1

