







Problem N. Ask students

- How to write the 15 fish swimming?
 (1 ten, 5 ones)
- How to write the 9 fish that dart away?
 (9 ones)
- How many are left? Add or Subtract? (can count up from 9 to 15 or Subtract)

If subtracting:

How do we subtract 5 ones minus 9 ones?

- Ask student to draw blocks or dots for the 5 ones and 9 ones.
- The 5 ones are part of the number 15. Can break the 1 ten into 10 ones and move them all to the Ones place.
- Student can draw the 10 new blocks in the ones place that join the 5.
- Cross of the 9 blocks one at a time and cross off 9 blocks from the top.
- How much are left? (6)
- 15 9 = 6 fish

(Instead of drawing tens and ones, students can use the paper \$10 and \$1 for the tens place and ones place.)



Sample Solutions – **Unit 3.** Students can use this page to draw pictures or use the paper play money from the Student Packs or draw tallies to represent the numbers and actions of trading/regrouping.













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Problem N.



Big Camels – 62 Small Camels – 27 How many fewer small camels?

Do you want to count up from 27 to 62 or subtract? **If Subtracting:**

- What is the larger number? (62)
- What is the equation we use to solve?
 (62 27 = ?)
- How many TENS are in62? (6) Draw 6 long rectangles in the TENS place.
- How many ONES are in **62? (2)** Draw 2 short squares in the ONES place.

Subtracting ONES:

What do we need to do to subtract 7 ONES from 2 ONES?

- Trade/regroup/move 1 TEN to the ONES place. That means breaking it into ONES. How many ONES are there now? (2 +10 = <u>12</u>)
- How many ones are left from 12 7? (5)

Subtracting TENS

- How many TENS are left in the TENS place for 62? (6 1 = 5)
- How many TENS does the number 27 have? (2)
- Subtract. How many TENS are left? (5 2 = 1)
- What is the final answer? (35)

Write equation and have student fill in the answer:

[62 – 27 = <u>35 fewer</u>].

Note: The student use the play money instead of drawing the rods and units.



Arab And Samples of ways to solve problems — Unit 5 **Problem E:** Problem E: Last week, Gary walked 12 miles. This week, he walked 11 more miles. 2 10 11 12 13 18 19 23 24 0 3 9 14 20 21 22 5 6 7 8 15 16 17 1 4 Problem E: How many miles did Gary walk? (23) Problem C. **Problem C.** 1 7, 9, 16 8, 7, 15 **Fact Families** 7 8 7 9 8 + 7 = 15 7 + 9 = 16 9 + 7 = 167 + 8 = 15 16 - 7 = 915 - 8 = 7 16 - 9 = 715 - 7 = 8

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Problem K.

Fair share a circle for yourself and 3 friends.

• Students often skip over themselves having a fair share, too.



Problem F: David read 15 Books. Then he read 9 more

How many books does David read first? (15)

- How many TENS are in **15?** (1) Draw 1 long rectangle in the TENS place.
- How many ONES are in 15? (5) Draw 5 short squares in the ONES place.

What changes in the problem? (David reads 9 more books)

- Are we adding or removing books? (adding)
- How many are we adding? (9)
- Does 9 go in the ONES place or TENS place? (ONES place)

Now we are ready to add.

- Let's start with the ONES place.
- How many ONES do we have? (5 + 9 = 14)

Whoa, 14 has TENS and ONES.

- Let's bundle 10 ONES and move them to the TENS column. (circle the 10 ONES & draw an arrow to show the move.
- How do we show the 10 ONES are bundled into 1 TEN? (1 long rectangle)

How many ONES are left? (4)

• Write (4) at the bottom of the ONES column.

How many TENS do we have now? (2)

- Write (2) at the bottom of the TENS column. (2 TENS = 20)
- How do we read this number, with (20) TENS and (4) ONES? (twenty-four).

(Write the equation as talking for student to complete) [15 books + 9 more books = 24 books]

David read 24 books.



D. Draw an array for 5 x 4

Do you want to make 4 rows with 5 columns or 5 rows with 4 columns?... Draw. Not required from the question, but still ask: What does 5 x 4 equal? (20)



E. What's missing? ____ ÷ 7 = 9 (if student needs help
responding)

What is missing? The row or product total? (product/total) How can we use the 7 and 9 to find out the product or total? (multiply 7 x 9; skip count; make an array?) Do you know 5 x 9? (45) We can break apart the 7 into 5 plus what? (2) Do you know what 2 x 9 is?





Place Value: Fractions to Decimals







J. Write decimal for ³⁄₄.

We cannot go straight to a decimal from fourths. We need another step.

Do "fourths" have an equivalent fraction to tenths? Does 4 x (anything) = 10? (no)

Do fourths have an equivalent fraction to hundredths? Does 4 x (anything) = 100? How about 4 quarters? Do 4 quarters make \$1.00? or 100 cents? (yes)

Since 4 x 25 = 100, let's figure out how many hundredths 3 fourths make.

$$\frac{3}{4} \times \frac{25}{25} = \frac{75}{100} = 0.75$$

How do you write the decimal for 75 hundredths? (0.75)

CRAYON Sample Solutions (June 2022)