

Date: _____

W.S (2.C.1) - Compose and Decompose 3-Digit Numbers.

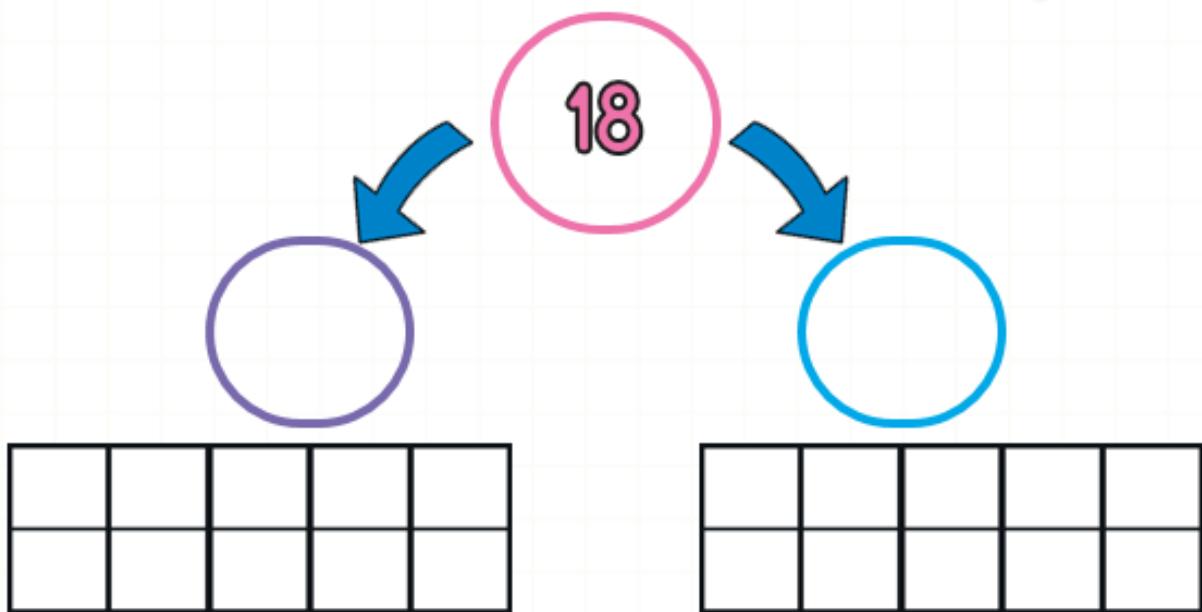
Objectives: Compose and decompose numbers using 10s and 1s.

Write a number using hundreds, tens and ones.

Put hundreds, tens and ones together to make a number.

Regroup 2-digit numbers.

Composing 18 using 1s and 10s



$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 18$$

Q1. Compose numbers using 10s and 1s

$$\underline{\quad} + \underline{\quad} = 19$$

$$\underline{\quad} + \underline{\quad} = 11$$

$$\underline{\quad} + \underline{\quad} = 15$$

$$\underline{\quad} + \underline{\quad} = 13$$

$$\underline{\quad} + \underline{\quad} = 10$$

$$\underline{\quad} + \underline{\quad} = 17$$

Now you try! Compose 16 using 10s and 1s.

Q2. Decompose numbers using 10s and 1s

$$17 = \underline{\quad} + \underline{\quad}$$

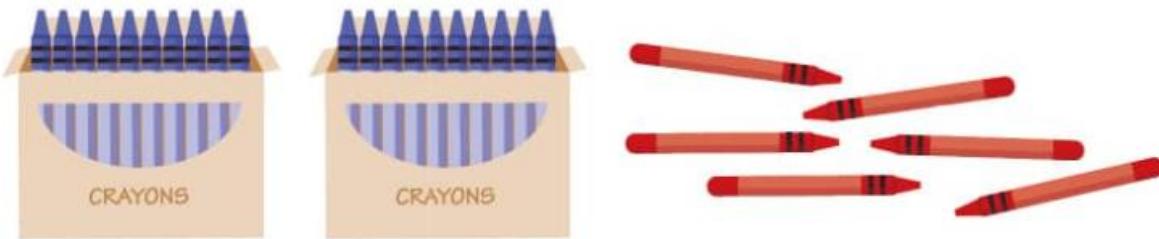
$$13 = \underline{\quad} + \underline{\quad}$$

$$19 = \underline{\quad} + \underline{\quad}$$

$$15 = \underline{\quad} + \underline{\quad}$$

Now you try! Decompose 14 using 10s and 1s.

Q3.



- How many tens are there? _____
- How many ones are there? _____
- There are _____ tens and _____ ones so there are _____ in total.
- we can compose _____ using 10s and 1s:

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

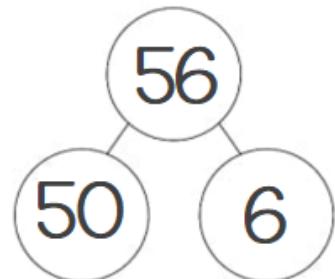
- we can decompose _____ using 10s and 1s:

$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$

Q4. Compose the numbers using 10s and 1s.

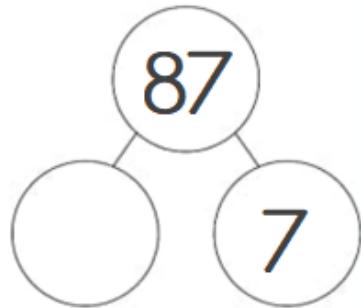
56:

$$\underline{\quad} + \underline{\quad} = 56$$



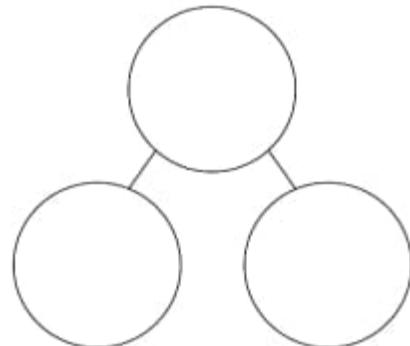
87:

$$\underline{\quad} + \underline{\quad} = 87$$



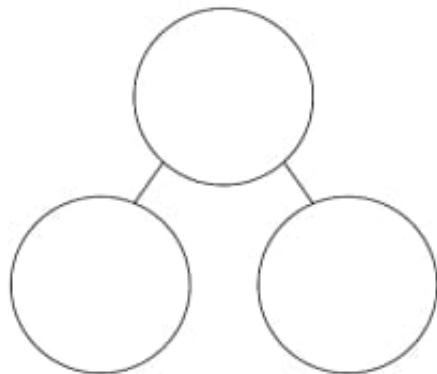
91:

$$\underline{\quad} + \underline{\quad} = 91$$



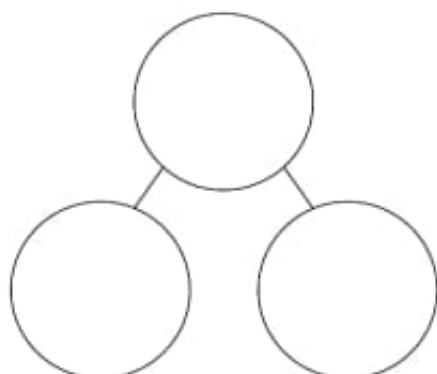
88:

$$\underline{\quad}$$

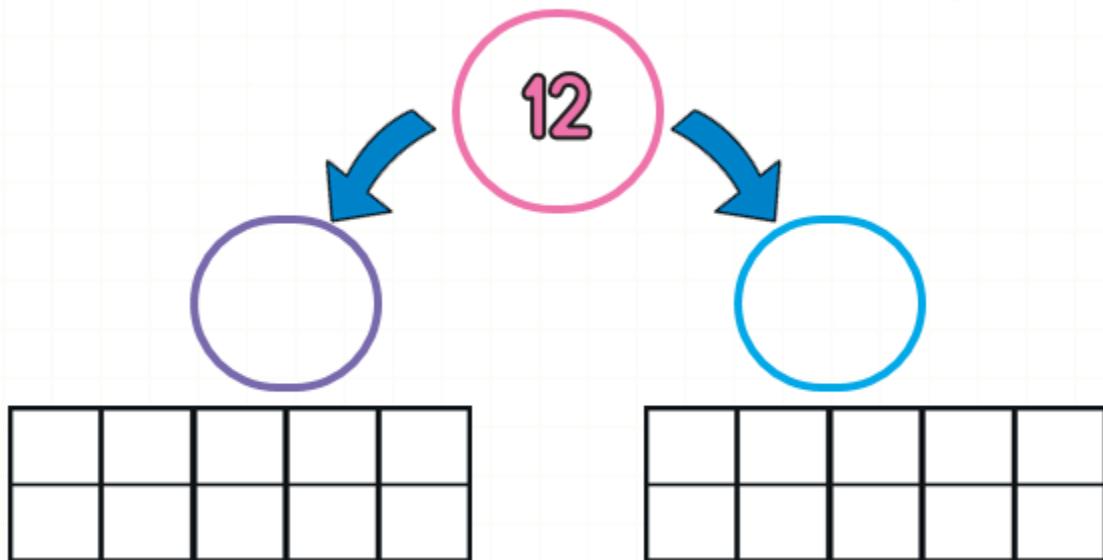


37:

$$\underline{\quad}$$



Decomposing 12 using 1s and 10s

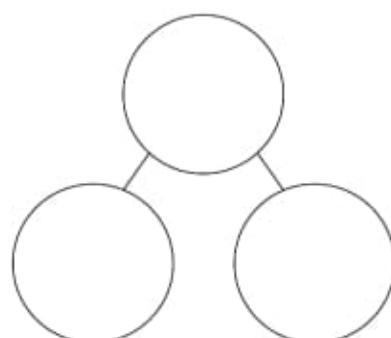


$$12 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

Q5. Decompose the numbers using 10s and 1s.

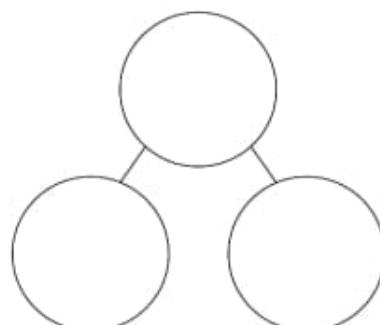
65:

$$65 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

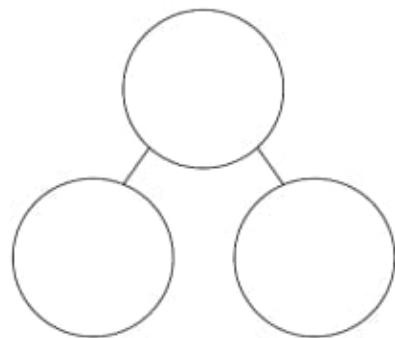


78:

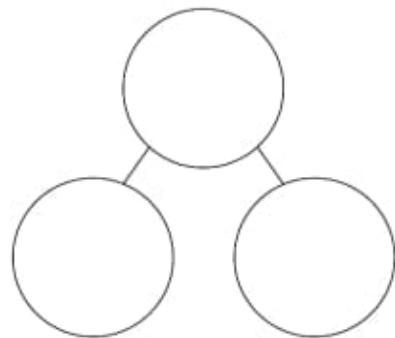
$$78 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$



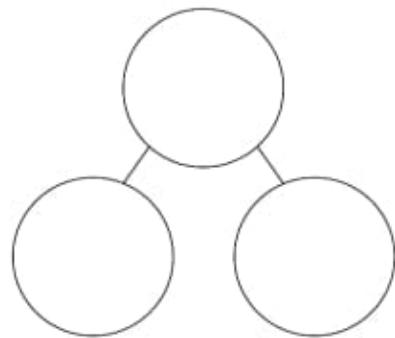
83:



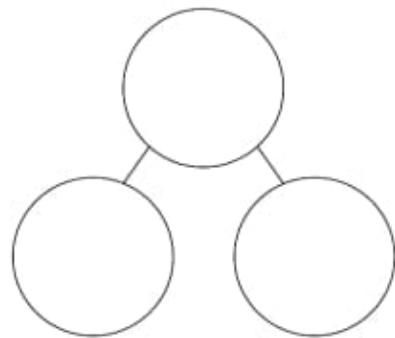
52:



95:

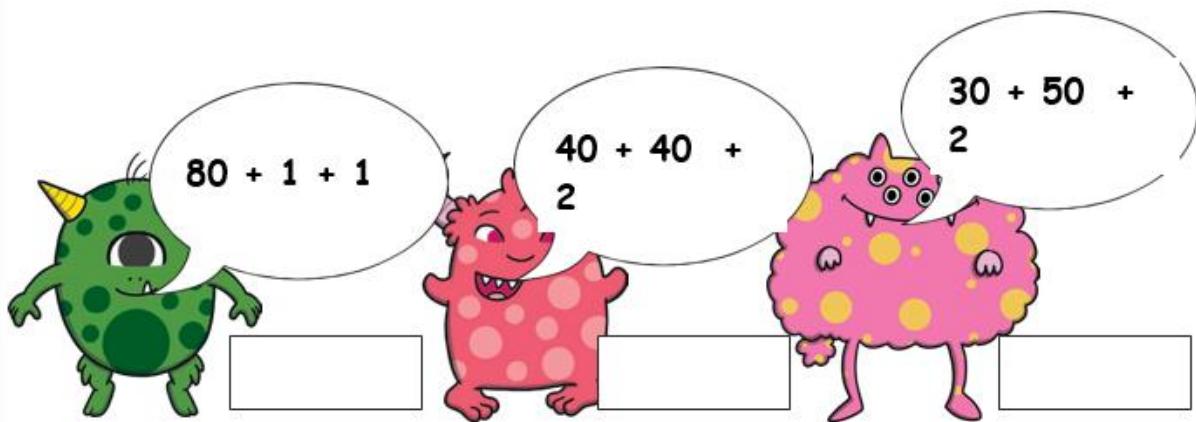
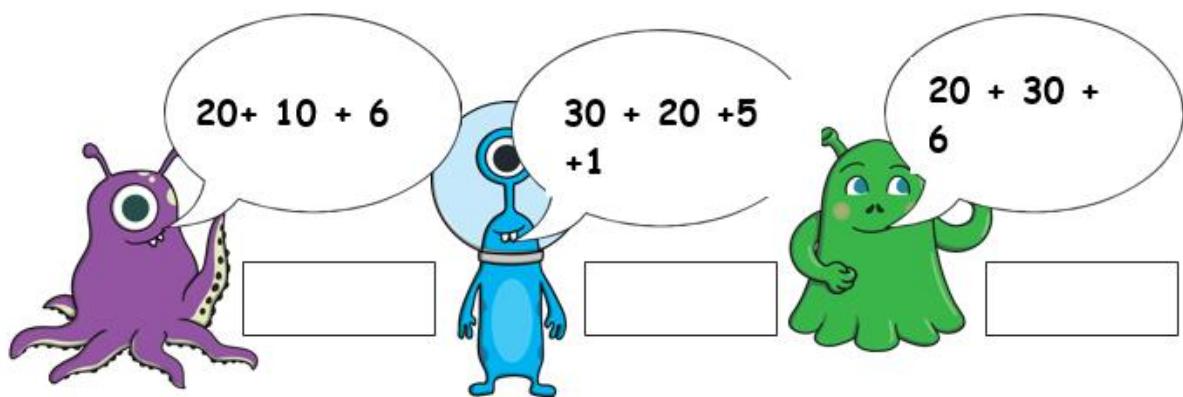
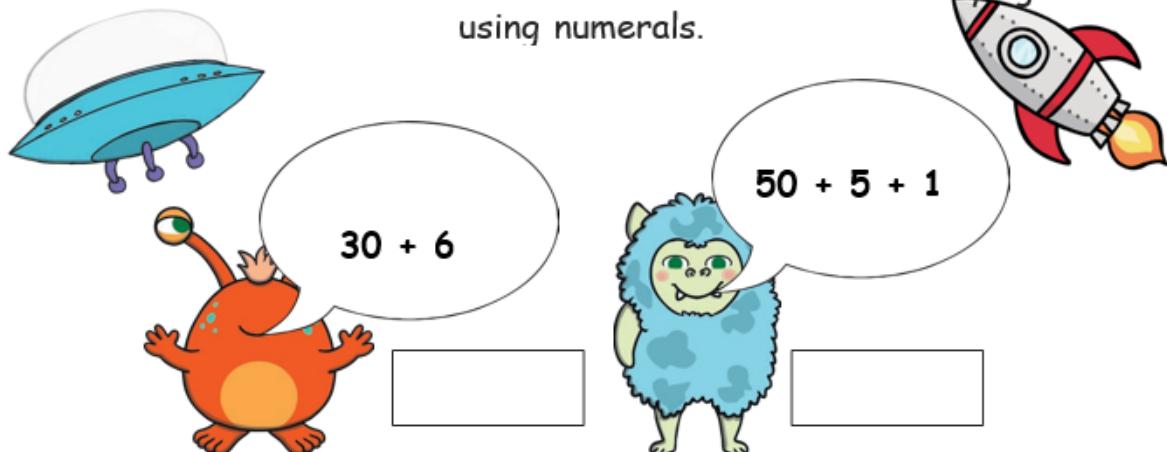


59:



Alien Numbers

The aliens are speaking another language and only mathematicians can hear them. Write the numbers the aliens are saying using numerals.



Regroup Numbers

As we see, $36 = 30 + 6$, and $36 = 20 + 10 + 6$

Also, $56 = 50 + 5 + 1$, $56 = 20 + 30 + 6$ and

$56 = 30 + 20 + 5 + 1$

So, we can regroup numbers in many ways, we can regroup the ones, the tens or the tens and the ones.

To regroup 78:

- we can regroup the tens only like,

$78 = 30 + 30 + 10 + 8$ or, $78 = 60 + 10 + 8$ or any other way.

- we can regroup the ones only like,

$78 = 70 + 3 + 5$ or, $70 + 2 + 6$ or any other way.

- we can regroup the ones and the tens like,

$78 = 30 + 30 + 10 + 7 + 1$ or any other way.

Q6. Regroup the numbers.

69: _____

35: _____

92: _____

88: _____

Q7. Fill in the blanks.

$$36 = \underline{\quad} + 5 + \underline{\quad}$$

$$57 = 50 + \underline{\quad} + 2 + 1$$

$$67 = 20 + \underline{\quad} + 7$$

$$29 = 10 + \underline{\quad} + 5 + \underline{\quad}$$

Q8. Find the numbers.

a) $600 + 2 = \underline{\quad}$

b) $300 + 50 + 8 = \underline{\quad}$

c) $800 + 90 = \underline{\quad}$

d) $100 + 70 + 1 = \underline{\quad}$

Q9. Fill in the blanks.

a) $879 = \underline{\hspace{1cm}} \text{hundreds} + \underline{\hspace{1cm}} \text{tens} + \underline{\hspace{1cm}} \text{ones}$

b) $879 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

c) $952 = 900 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

d) $532 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + 2$

Q10. Decompose the following numbers.

a) 234: hundreds, tens, ones

b) 501: hundreds, tens, ones

c) 671: hundreds, tens, ones

d) $594 = 500 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

e) $107 = \underline{\hspace{1cm}} + 7$

f) $312 = 300 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

g) $630 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

Q11. Fill in the blanks to compose the numbers.

a) $700 + 60 + 8 = \underline{\hspace{2cm}}$

b) $500 + \underline{\hspace{2cm}} + 7 = 557$

c) $\underline{\hspace{2cm}} + 8 = 208$

Q12. Decompose the following numbers.

$$378 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$874 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$298 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$319 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$752 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

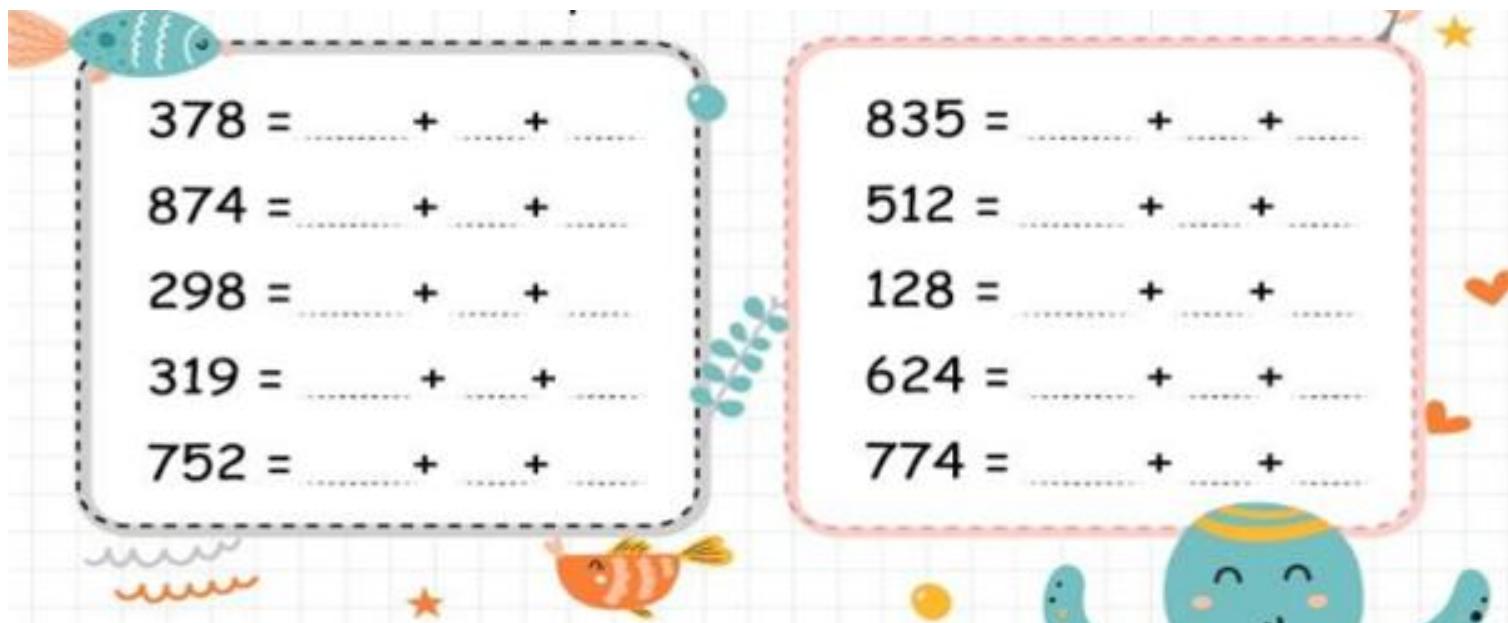
$$835 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$512 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$128 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$624 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$

$$774 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$$



Q13. Write the following numbers in standard form.

$400 + 70 + 3 =$

$600 + 20 + 6 =$

$900 + 30 + 5 =$

$700 + 30 + 8 =$

$300 + 70 + 4 =$

$800 + 10 + 7 =$

$200 + 60 + 7 =$

$500 + 90 + 2 =$

$100 + 40 + 7 =$

$200 + 50 + 2 =$

$300 + 30 + 6 =$

$700 + 20 + 1 =$

Q14. Write these numbers in numerals then fill the place value chart.

a)

Three hundred and nine

Eight hundred and forty-two

One hundred and eleven

Five hundred ninety-seven

Seven hundred and twenty-five

b)

Number in standard form	Hundred s	Tens	Ones

Q15. Decompose the following numbers into hundreds, tens and ones. The first one is done for you.

$$1. \quad \begin{array}{|c|c|c|} \hline 2 & 6 & 7 \\ \hline \end{array} = \begin{array}{|c|} \hline 200 \\ \hline \end{array} + \begin{array}{|c|} \hline 60 \\ \hline \end{array} + \begin{array}{|c|} \hline 7 \\ \hline \end{array}$$

$$2. \quad \begin{array}{|c|c|c|} \hline 1 & 2 & 4 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$3. \quad \begin{array}{|c|c|c|} \hline 8 & 2 & 4 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

$$4. \quad \begin{array}{|c|c|c|} \hline 2 & 1 & 3 \\ \hline \end{array} = \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array}$$

Q16. Rami needs nine hundred forty - five grams of biscuits for his Nan. Which four bags should he pick up? Circle the bags.



Q17. Match.

14 tens + 5 ones •

• 784

400 + 130 + 6 •

• 536

86 tens + 2 ones •

• 308

300 + 8 ones •

• 862

76 tens and 24 ones •

• 145