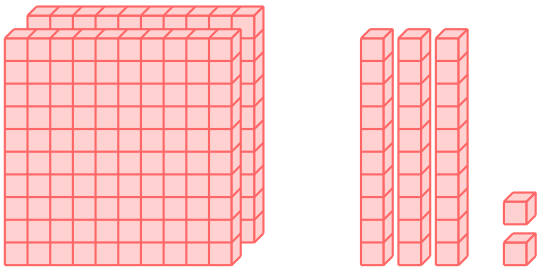
3-DIGIT NUMBERS

A DEFINITIONS

A.1 COUNTING CUBES IN A TABLE

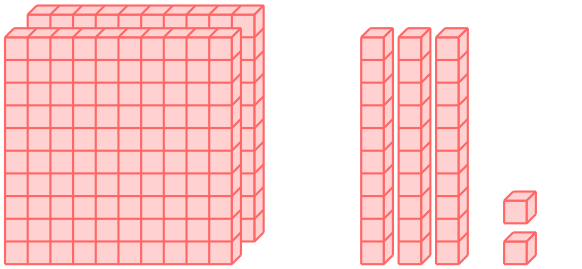
Ex 1:



The number of cubes is

Hundreds	Tens	Ones
2	3	2

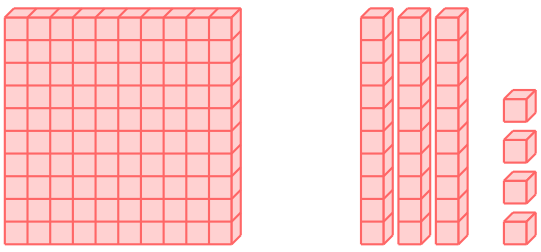
Answer:



- The number of cubes is

Hundreds	Tens	Ones
2	3	2

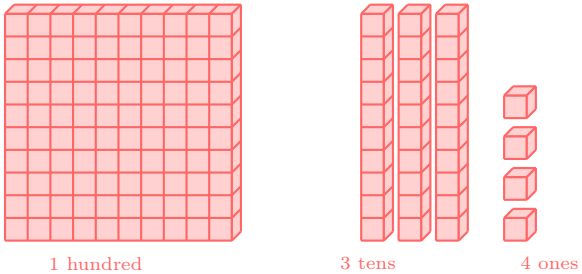
Ex 2:



The number of cubes is

Hundreds	Tens	Ones
1	3	4

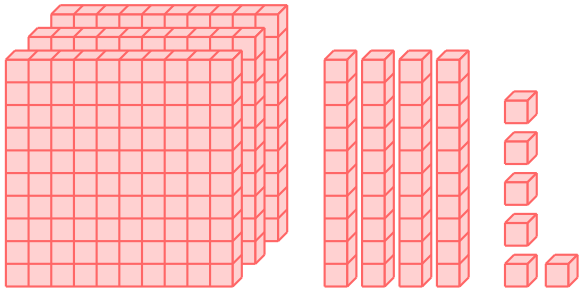
Answer:



- The number of cubes is

Hundreds	Tens	Ones
1	3	4

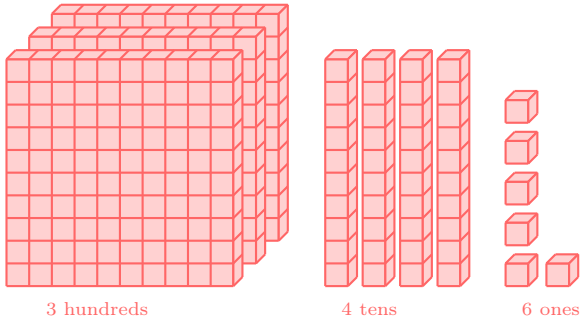
Ex 3:



The number of cubes is

Hundreds	Tens	Ones
3	4	6

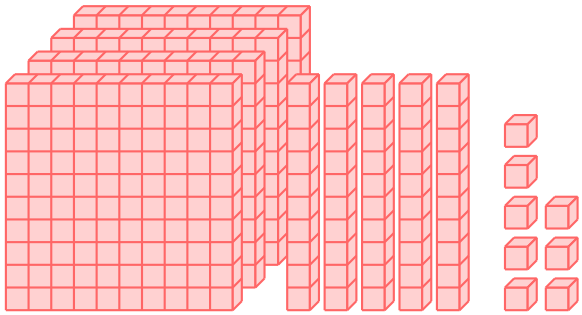
Answer:



- The number of cubes is

Hundreds	Tens	Ones
3	4	6

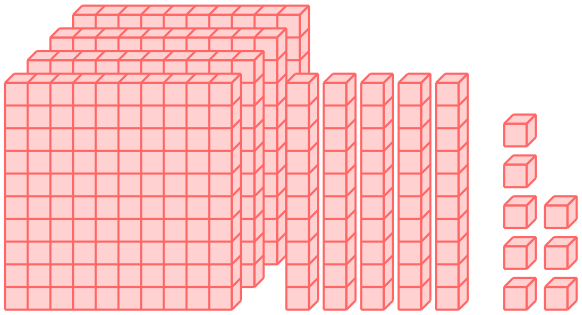
Ex 4:



The number of cubes is

Hundreds	Tens	Ones
4	5	8

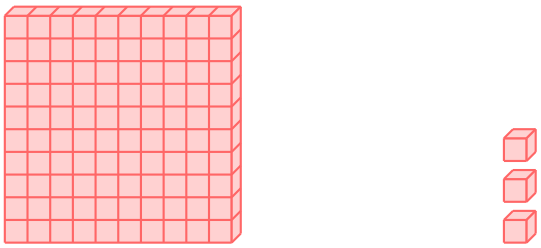
Answer:



- 4 hundreds 5 tens 8 ones
- The number of cubes is

Hundreds	Tens	Ones
4	5	8

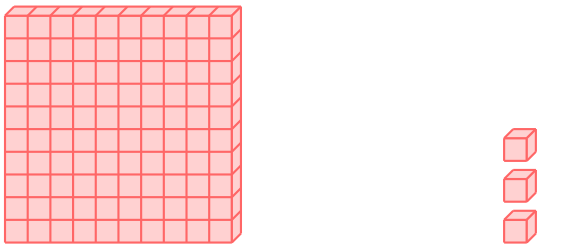
Ex 5:



The number of cubes is

Hundreds	Tens	Ones
1	0	3

Answer:



- 1 hundred 0 tens 3 ones
- The number of cubes is

Hundreds	Tens	Ones
1	0	3

A.2 WRITING NUMBERS FROM HUNDREDS, TENS AND ONES

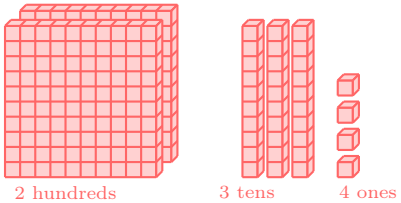
Ex 6:

Hundreds	Tens	Ones
2	3	4

The number is 234.

Answer:

- The number is 234.



- 2 hundreds 3 tens 4 ones

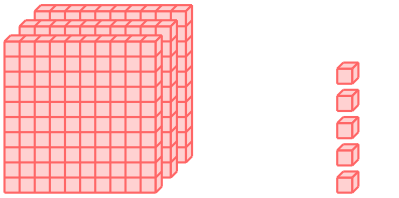
Ex 7:

Hundreds	Tens	Ones
3	0	5

The number is 305.

Answer:

- The number is 305.



- 3 hundreds 0 tens 5 ones

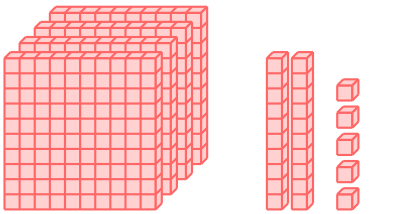
Ex 8:

Hundreds	Tens	Ones
4	2	5

The number is 425.

Answer:

- The number is 425.



- 4 hundreds 2 tens 5 ones

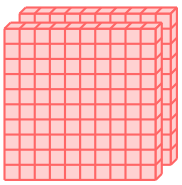
Ex 9:

Hundreds	Tens	Ones
2	0	0

The number is 200.

Answer:

- The number is 200.



- 2 hundreds 0 tens 0 one

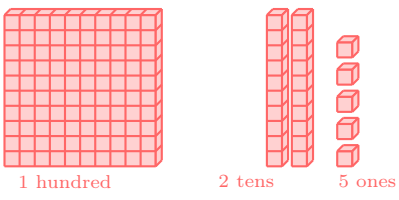
Ex 10:

Hundreds	Tens	Ones
1	2	5

The number is 125.

Answer:

- The number is 125.



- 1 hundred 2 tens 5 ones

A.3 FINDING THE DIGIT

Ex 11: The digit in the tens place of 235 is $\boxed{3}$.

Answer:

- 235 is

Hundreds	Tens	Ones
2	3	5

.

- The digit in the tens place of 235 is 3.

Ex 12: The digit in the hundreds place of 472 is $\boxed{4}$.

Answer:

- 472 is

Hundreds	Tens	Ones
4	7	2

.

- The digit in the hundreds place of 472 is 4.

Ex 13: The digit in the ones place of 819 is $\boxed{9}$.

Answer:

- 819 is

Hundreds	Tens	Ones
8	1	9

.

- The digit in the ones place of 819 is 9.

Ex 14: The digit in the tens place of 546 is $\boxed{4}$.

Answer:

- 546 is

Hundreds	Tens	Ones
5	4	6

.

- The digit in the tens place of 546 is 4.

Ex 15: The digit in the hundreds place of 938 is $\boxed{9}$.

Answer:

- 938 is

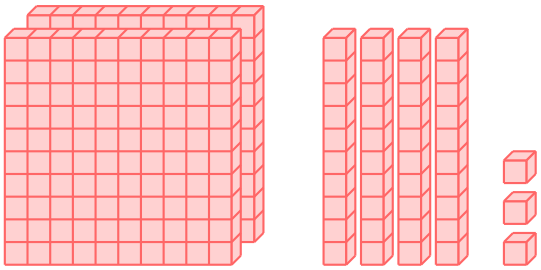
Hundreds	Tens	Ones
9	3	8

.

- The digit in the hundreds place of 938 is 9.

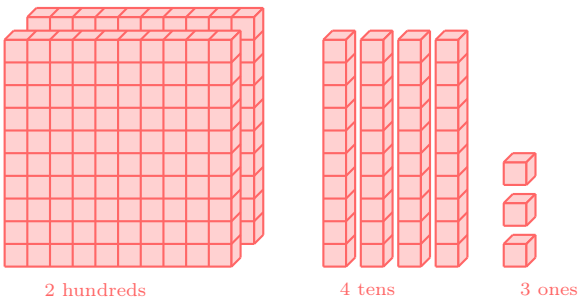
A.4 COUNTING CUBES

Ex 16:



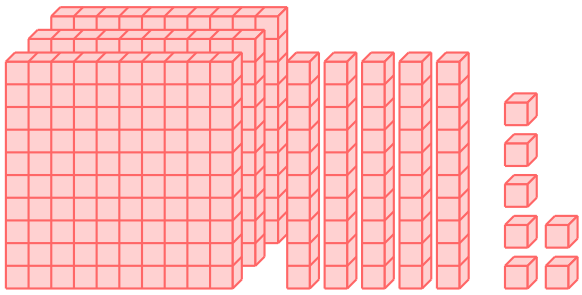
The number of cubes is $\boxed{243}$.

Answer:



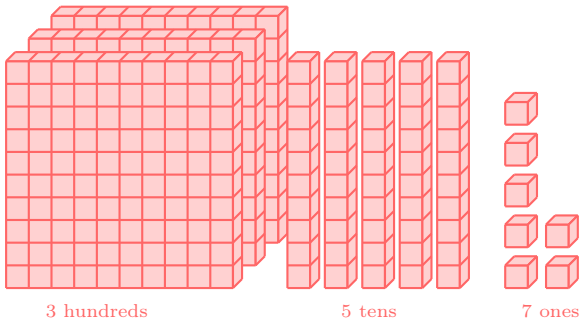
The number of cubes is 243.

Ex 17:



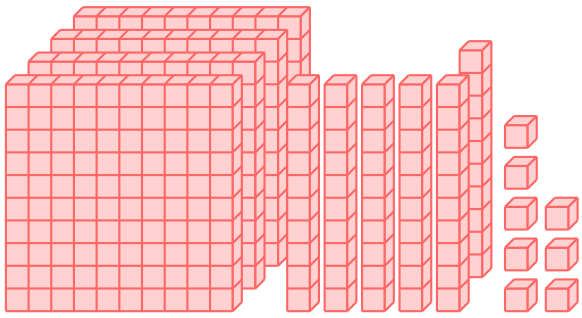
The number of cubes is $\boxed{357}$.

Answer:



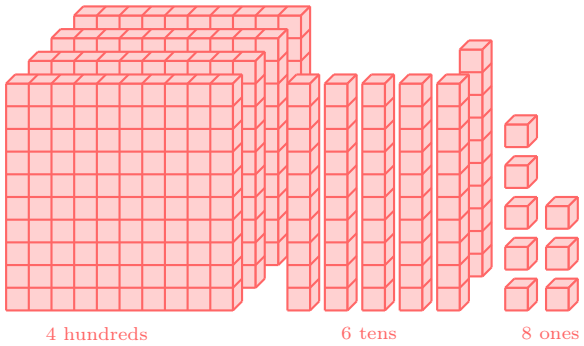
The number of cubes is 357.

Ex 18:



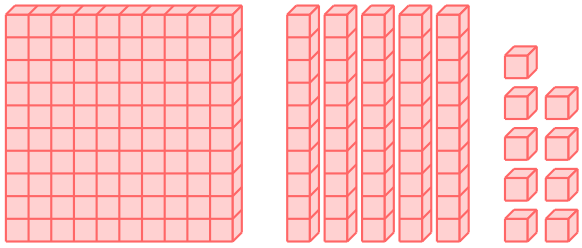
The number of cubes is $\boxed{468}$.

Answer:



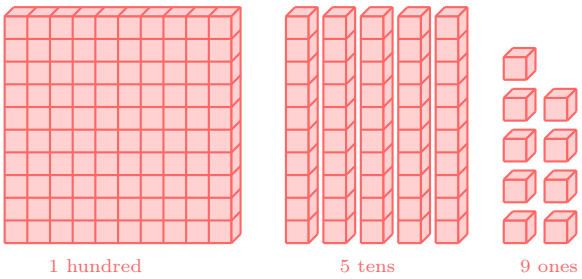
The number of cubes is 468.

Ex 19:



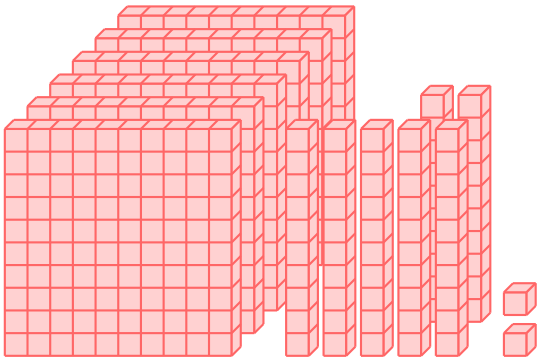
The number of cubes is $\boxed{159}$.

Answer:



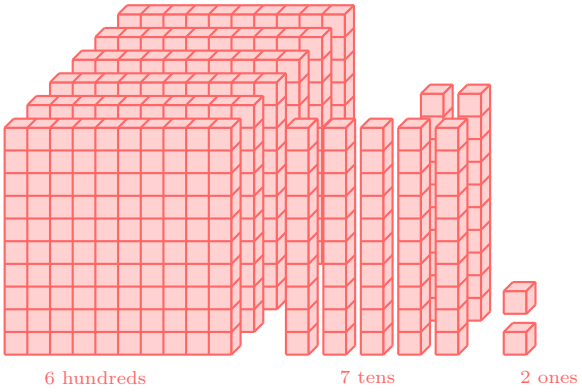
The number of cubes is 159.

Ex 20:



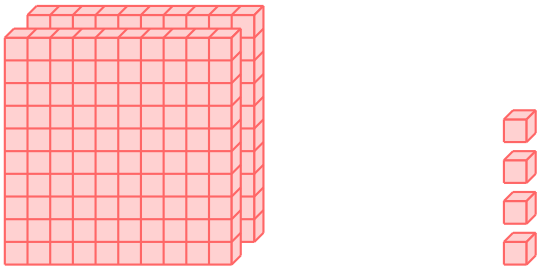
The number of cubes is $\boxed{672}$.

Answer:



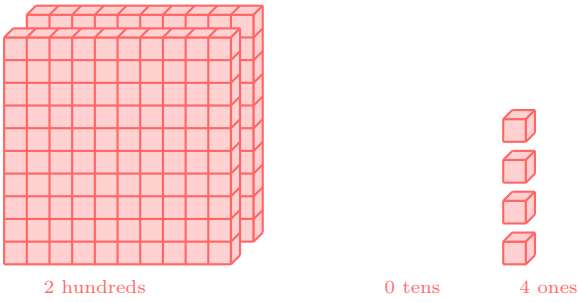
The number of cubes is 672.

Ex 21:



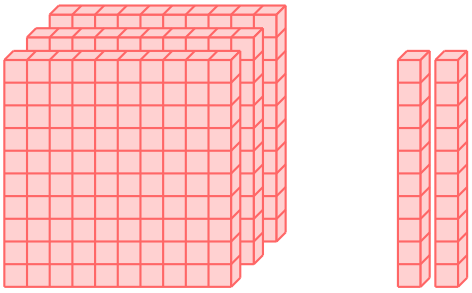
The number of cubes is $\boxed{204}$.

Answer:



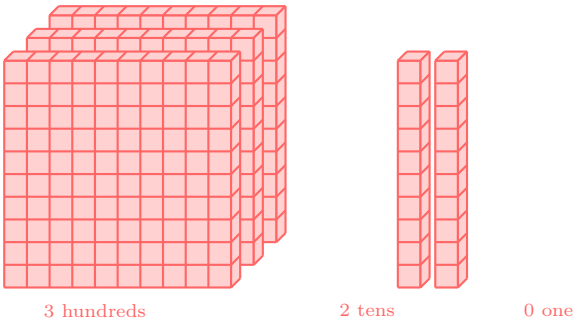
The number of cubes is 204.

Ex 22:



The number of cubes is $\boxed{320}$.

Answer:

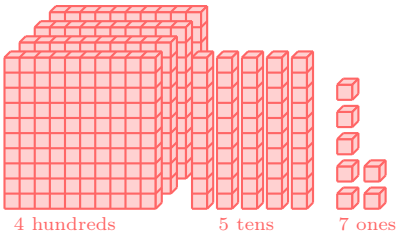


The number of cubes is 320.

A.5 WRITING NUMBERS FROM HUNDREDS, TENS AND ONES

Ex 23: 4 hundreds + 5 tens + 7 ones = $\boxed{457}$

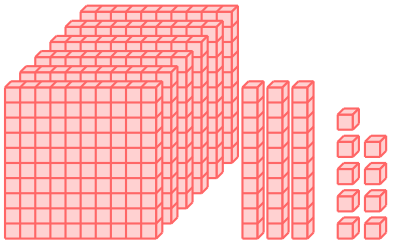
Answer:

- 4 hundreds + 5 tens + 7 ones = 457
- 

Ex 24: 6 hundreds + 3 tens + 9 ones = $\boxed{639}$

Answer:

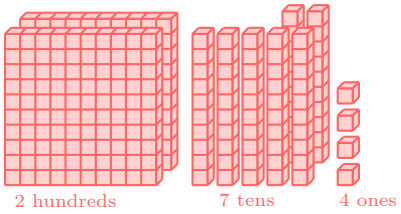
- 6 hundreds + 3 tens + 9 ones = 639

- 

Ex 25: 2 hundreds + 7 tens + 4 ones = $\boxed{274}$

Answer:

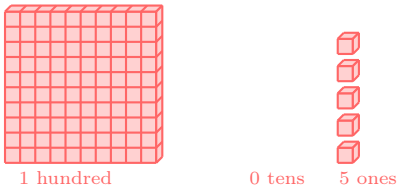
- 2 hundreds $+7$ tens $+4$ ones $= 274$

- 

Ex 26: 1 hundred + 5 ones = $\boxed{105}$

Answer:

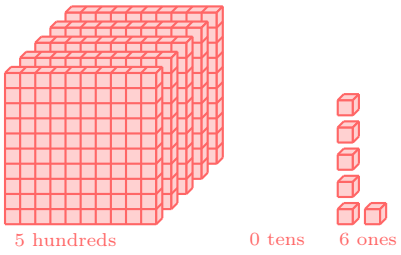
- 1 hundred $+5$ ones $= 1$ hundred $+0$ tens $+5$ ones
  $= 105$

- 

Ex 27: 5 hundreds + 0 tens + 6 ones = $\boxed{506}$

Answer:

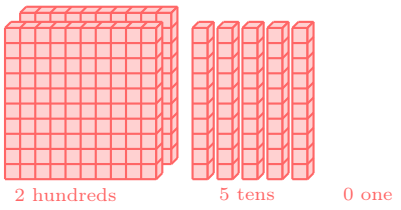
- 5 hundreds $+0$ tens $+6$ ones $= 506$

- 

Ex 28: 2 hundreds + 5 tens = $\boxed{250}$

Answer:

- 2 hundreds $+5$ tens $+0$ ones $= 250$

- 

A.6 WRITING NUMBERS FROM HUNDREDS, TENS AND ONES

Ex 29: $300 + 20 + 8 = \boxed{328}$

Answer: $300 + 20 + 8 = 3$ hundreds $+2$ tens $+8$ ones
$= 328$

Ex 30: $400 + 50 + 7 = \boxed{457}$

Answer: $400 + 50 + 7 = 4$ hundreds $+5$ tens $+7$ ones
$= 457$

Ex 31: $600 + 30 + 9 = \boxed{639}$

Answer: $600 + 30 + 9 = 6$ hundreds $+3$ tens $+9$ ones
$= 639$

Ex 32: $200 + 40 + 6 = \boxed{246}$

Answer: $200 + 40 + 6 = 2$ hundreds $+4$ tens $+6$ ones
$= 246$

Ex 33: $500 + 70 + 5 = \boxed{575}$

Answer: $500 + 70 + 5 = 5$ hundreds $+7$ tens $+5$ ones
$= 575$

Ex 34: $700 + 60 + 4 = \boxed{764}$

Answer: $700 + 60 + 4 = 7$ hundreds $+6$ tens $+4$ ones
$= 764$

Ex 35: $200 + 50 = \boxed{250}$

Answer: $200 + 50 = 2$ hundreds $+5$ tens $+0$ ones
$= 250$

Ex 36: $300 + 4 = \boxed{304}$

Answer: $300 + 4 = 3$ hundreds $+0$ tens $+4$ ones
$= 304$

Ex 37: $400 + 70 = \boxed{470}$

Answer: $400 + 70 = 4$ hundreds $+7$ tens $+0$ ones
$= 470$

A.7 WRITING NUMBERS FROM WORDS

Ex 38: Three hundred forty-seven = $\boxed{347}$

Answer:

Three hundred forty-seven $= 300 + 40 + 7$
$= 3$ hundreds $+4$ tens $+7$ ones
$= 347$

Ex 39: Five hundred sixty-two = $\boxed{562}$

Answer:

Five hundred sixty-two $= 500 + 60 + 2$
$= 5$ hundreds $+6$ tens $+2$ ones
$= 562$

Ex 40: Seven hundred twenty-eight = $\boxed{728}$

Answer:

$$\begin{aligned}\text{Seven hundred twenty-eight} &= 700 + 20 + 8\\ &= 7 \text{ hundreds } + 2 \text{ tens } + 8 \text{ ones}\\ &= 728\end{aligned}$$

Ex 41: Eight hundred nineteen = $\boxed{819}$

Answer:

$$\begin{aligned}\text{Eight hundred nineteen} &= 800 + 19\\ &= 800 + 10 + 9\\ &= 8 \text{ hundreds } + 1 \text{ ten } + 9 \text{ ones}\\ &= 819\end{aligned}$$

Ex 42: Four hundred three = $\boxed{403}$

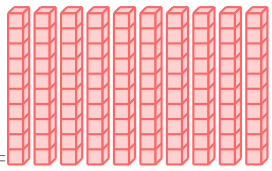
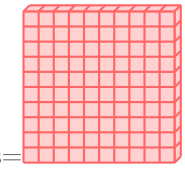
Answer:

$$\begin{aligned}\text{Four hundred three} &= 400 + 3\\ &= 4 \text{ hundreds } + 0 \text{ tens } + 3 \text{ ones}\\ &= 403\end{aligned}$$

A.8 GROUPING AND REGROUPING

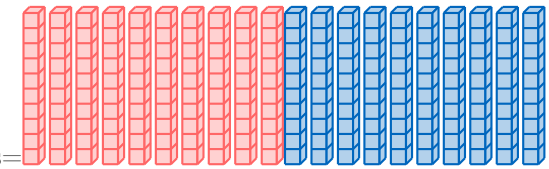
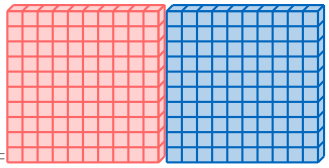
Ex 43: 10 tens=$\boxed{1}$ hundred

Answer:

- tens= 
- 10 tens= 
- 10 tens=1 hundred

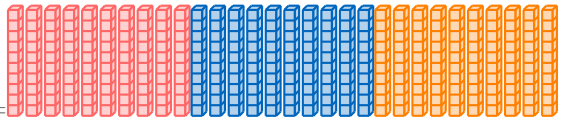
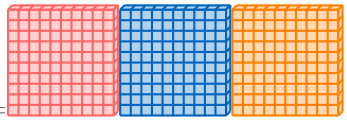
Ex 44: 20 tens=$\boxed{2}$ hundreds

Answer:

- 20 tens= 
- 20 tens = 
- 20 tens=2 hundreds

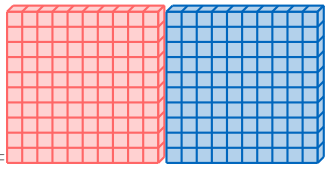
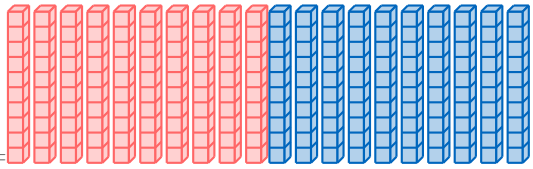
Ex 45: 30 tens=$\boxed{3}$ hundreds

Answer:

- 30 tens= 
- 30 tens= 
- 30 tens=3 hundreds

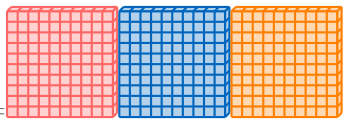
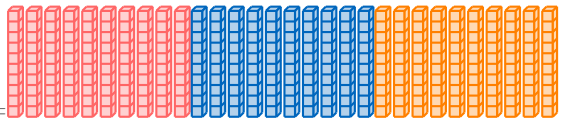
Ex 46: 2 hundreds= $\boxed{20}$ tens

Answer:

- 2 hundreds= 
- 2 hundreds = 
- 2 hundreds=20 tens

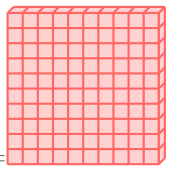
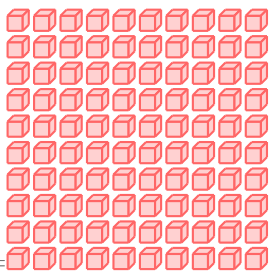
Ex 47: 3 hundreds= $\boxed{30}$ tens

Answer:

- 3 hundreds= 
- 3 hundreds= 
- 3 hundreds=30 tens

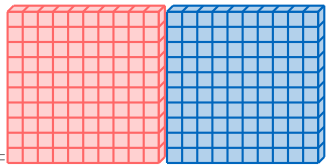
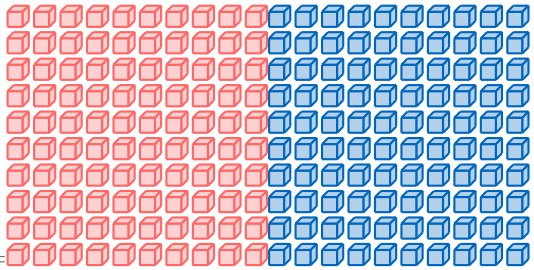
Ex 48: 1 hundred= $\boxed{100}$ ones

Answer:

- 1 hundred= 
- 1 hundred= 
- 1 hundred=100 ones

Ex 49: 2 hundreds= $\boxed{200}$ ones

Answer:

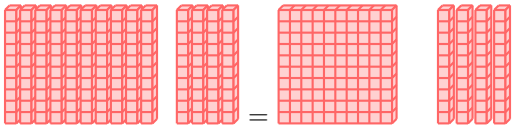
- 2 hundreds= 

- 2 hundreds=
- 2 hundreds=200 ones

A.9 BREAKING DOWN INTO HUNDREDS AND TENS

Ex 50: Write the answers with single digit for the tens and the ones:

$$14 \text{ tens} = \boxed{1} \text{ hundred} + \boxed{4} \text{ tens}$$

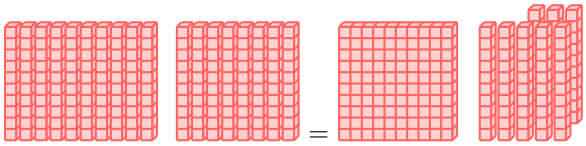
Answer:

- 
- $14 \text{ tens} = 10 \text{ tens} + 4 \text{ tens}$
  $= 1 \text{ hundred} + 4 \text{ tens}$

Ex 51: Write the answers with single digit for the tens and the ones:

$$18 \text{ tens} = \boxed{1} \text{ hundred} + \boxed{8} \text{ tens}$$

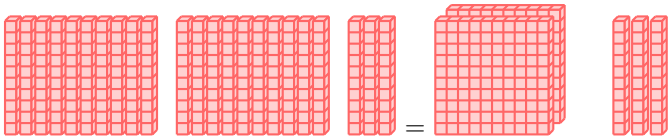
Answer:

- 
- $18 \text{ tens} = 10 \text{ tens} + 8 \text{ tens}$
  $= 1 \text{ hundred} + 8 \text{ tens}$

Ex 52: Write the answers with single digit for the tens and the ones:

$$23 \text{ tens} = \boxed{2} \text{ hundreds} + \boxed{3} \text{ tens}$$

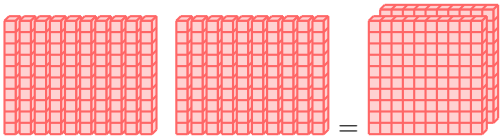
Answer:

- 
- $23 \text{ tens} = 20 \text{ tens} + 3 \text{ tens}$
  $= 2 \text{ hundreds} + 3 \text{ tens}$

Ex 53: Write the answers with single digit for the tens and the ones:

$$20 \text{ tens} = \boxed{2} \text{ hundreds} + \boxed{0} \text{ tens}$$

Answer:

- 
- $20 \text{ tens} = 20 \text{ tens} + 0 \text{ tens}$
  $= 2 \text{ hundreds} + 0 \text{ tens}$

A.10 REGROUPING TENS INTO HUNDREDS

Ex 54: Write the answers with single digits:

$$2 \text{ hundreds} + 15 \text{ tens} = \boxed{3} \text{ hundreds} + \boxed{5} \text{ tens}$$

Answer:

$$\begin{aligned} 2 \text{ hundreds} + 15 \text{ tens} &= 2 \text{ hundreds} + 10 \text{ tens} + 5 \text{ tens} \\ &= 2 \text{ hundreds} + 1 \text{ hundred} + 5 \text{ tens} \\ &= 3 \text{ hundreds} + 5 \text{ tens} \end{aligned}$$

Ex 55: Write the answers with single digits:

$$3 \text{ hundreds} + 28 \text{ tens} = \boxed{5} \text{ hundreds} + \boxed{8} \text{ tens}$$

Answer:

$$\begin{aligned} 3 \text{ hundreds} + 28 \text{ tens} &= 3 \text{ hundreds} + 20 \text{ tens} + 8 \text{ tens} \\ &= 3 \text{ hundreds} + 2 \text{ hundreds} + 8 \text{ tens} \\ &= 5 \text{ hundreds} + 8 \text{ tens} \end{aligned}$$

Ex 56: Write the answers with single digits:

$$4 \text{ hundreds} + 31 \text{ tens} = \boxed{7} \text{ hundreds} + \boxed{1} \text{ tens}$$

Answer:

$$\begin{aligned} 4 \text{ hundreds} + 31 \text{ tens} &= 4 \text{ hundreds} + 30 \text{ tens} + 1 \text{ ten} \\ &= 4 \text{ hundreds} + 3 \text{ hundreds} + 1 \text{ ten} \\ &= 7 \text{ hundreds} + 1 \text{ ten} \end{aligned}$$

Ex 57: Write the answers with single digits:

$$2 \text{ hundreds} + 10 \text{ tens} = \boxed{3} \text{ hundreds} + \boxed{0} \text{ tens}$$

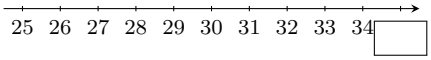
Answer:

$$\begin{aligned} 2 \text{ hundreds} + 10 \text{ tens} &= 2 \text{ hundreds} + 10 \text{ tens} \\ &= 2 \text{ hundreds} + 1 \text{ hundred} + 0 \text{ tens} \\ &= 3 \text{ hundreds} + 0 \text{ tens} \end{aligned}$$

B ON THE NUMBER LINE

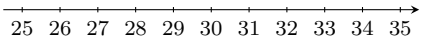
B.1 FINDING NUMBERS

Ex 58:

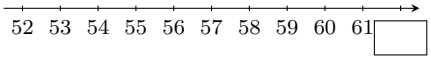


The missing number is $\boxed{35}$.

Answer: The missing number is 35.

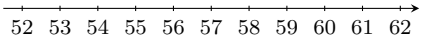


Ex 59:

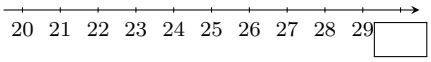


The missing number is $\boxed{62}$.

Answer: The missing number is 62.

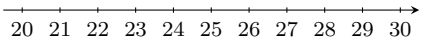


Ex 60:

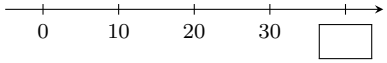


The missing number is $\boxed{30}$.

Answer: The missing number is 30.

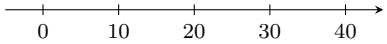


Ex 61:

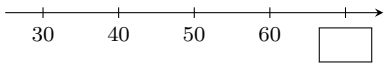


The missing number is $\boxed{40}$.

Answer: The missing number is 40.

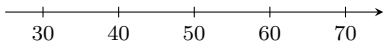


Ex 62:

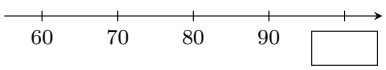


The missing number is $\boxed{70}$.

Answer: The missing number is 70.

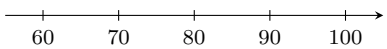


Ex 63:



The missing number is $\boxed{100}$.

Answer: The missing number is 100.

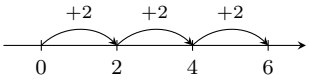


B.2 FINDING NUMBERS

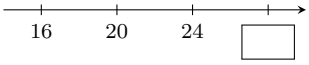
Ex 64:

The missing number is $\boxed{6}$.

Answer: The missing number is 6.

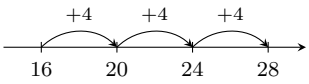


Ex 65:

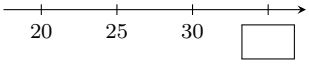


The missing number is $\boxed{28}$.

Answer: The missing number is 28.

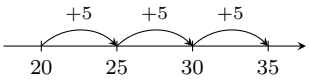


Ex 66:

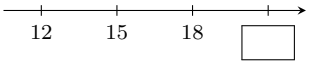


The missing number is $\boxed{35}$.

Answer: The missing number is 35.

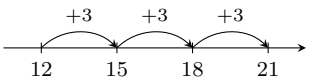


Ex 67:

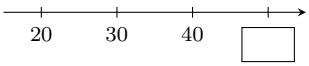


The missing number is $\boxed{21}$.

Answer: The missing number is 21.

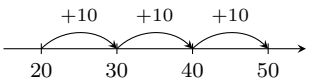


Ex 68:

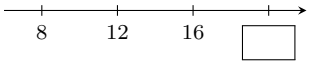


The missing number is $\boxed{50}$.

Answer: The missing number is 50.

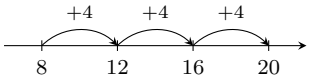


Ex 69:

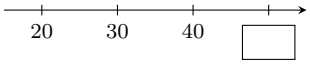


The missing number is $\boxed{20}$.

Answer: The missing number is 20.



Ex 70:



The missing number is $\boxed{50}$.

Answer: The missing number is 50.