



# Helping With Math

USA  
GRADES

## Base Ten Blocks

Suitable for students  
aged 4-6



This pack is suitable for learners aged 4-6 years old or K and 1st graders (USA). The content covers fact files and relevant basic and advanced activities involving base 10 blocks.



Hello! I am Ester and here are my easter eggs and easter bunny. Let's find yours after learning base 10 blocks :)

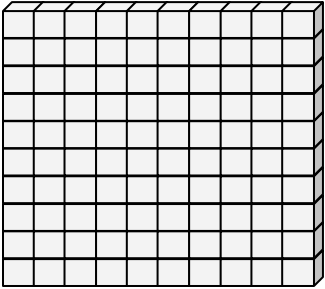
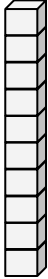



What are Base 10 Blocks?

- **Base 10 Blocks** are used to introduce some mathematical concepts such as place, value, number sense, addition and subtraction easily. These are mathematical manipulative that allows the learners to express numbers and patterns using the blocks.



# FLATS, LONGS AND UNITS

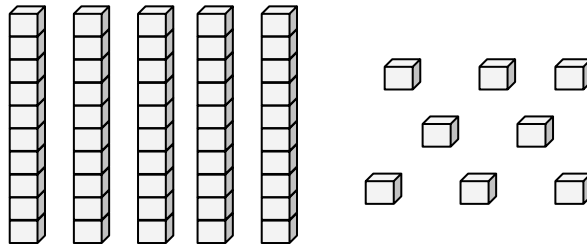
Hundreds	Tens	Ones
		
Flats	Longs	Units

Examples:



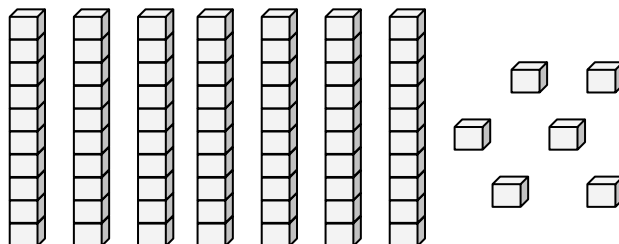
Represent the numbers below using base 10 blocks.

1.) 58



$$\underline{5} \text{ tens} + \underline{8} \text{ ones} = \mathbf{58}$$

2.) 76



$$\underline{7} \text{ tens} + \underline{6} \text{ ones} = \mathbf{76}$$

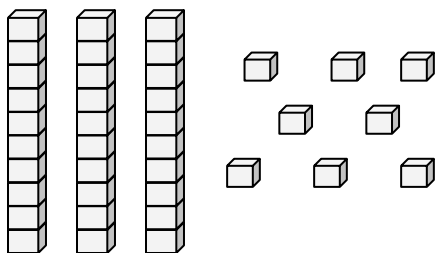


# LET'S PRACTICE!

Determine the total number of blocks below. Write your answers on the space provided.

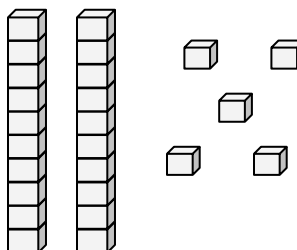


1.)



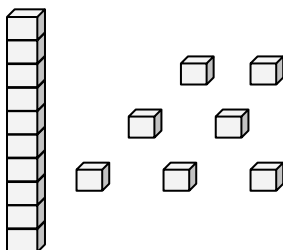
\_\_\_\_\_

2.)



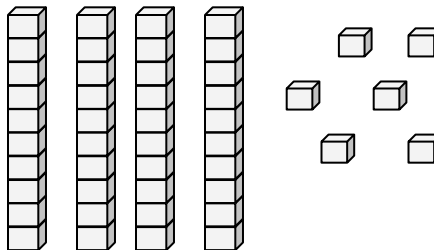
\_\_\_\_\_

3.)



\_\_\_\_\_

4.)



\_\_\_\_\_



Illustrate the following numbers using base 10 blocks. Write your answers on the space provided.

5.) 59

6.) 47



# TABLE OF ACTIVITIES

<b>Ages 4-5</b> (Basic)		<u>Kindergarten</u>
1	Easter Crafts	
2	Flower Planting	
3	Jelly Bean Guessing Game	
4	Gift Baskets	
5	Egg and Spoon Race	
<b>Ages 5-6</b> (Advanced)		<u>1st Grade</u>
6	Let's Go to the Church	
7	Bunny Themed Party	
8	Easter Egg Painting	
9	Easter Children's Book	
10	Easter Egg Hunting	

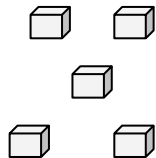


# EASTER CRAFTS

K  
Basic

Let's do some Easter crafts! Count the number of blocks below. Choose from the choices inside the circle and color your answers red.

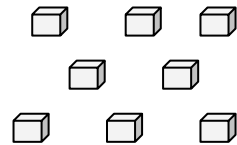
1.)



7

5

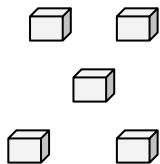
2.)



8

9

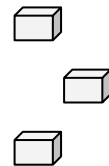
3.)



6

5

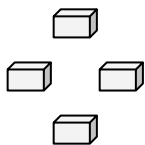
4.)



3

7

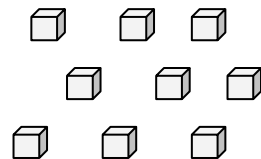
5.)



1

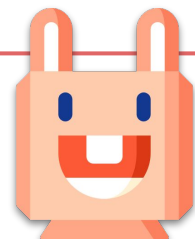
4

6.)



9

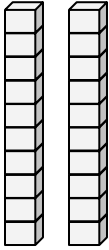
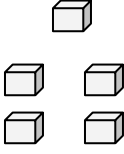
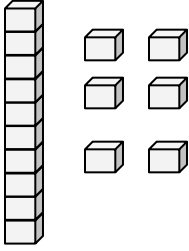
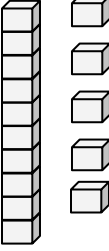
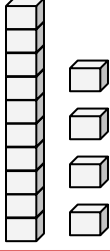
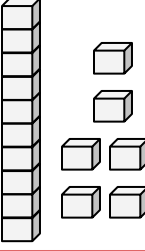
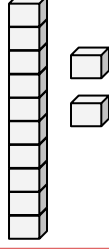
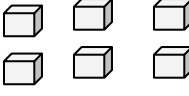
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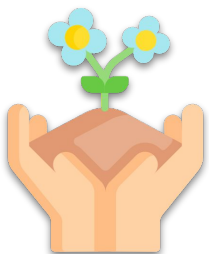


# FLOWER PLANTING

K  
Basic

Flower planting symbolizes new life. Let's plant flowers by determining the total number of blocks in the given sets below. Choose your answer below, cut and paste it.

1.) 		5.) 	
2.) 		6.) 	
3.) 		7.) 	
4.) 		8.) 	



20

15

12

18

14

5

16

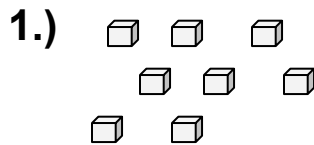
6



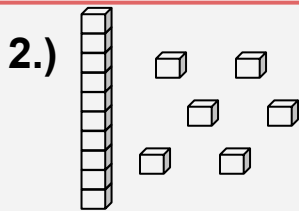
# JELLY BEAN GUESSING GAME

K  
Basic

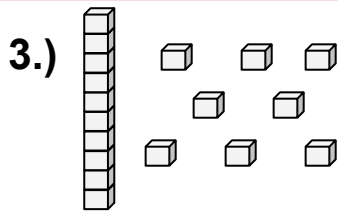
You will be allowed to join the jelly bean guessing game if you answer the following. Count the number of blocks below and choose your answer from the given choices. Encircle the letter of your choice.



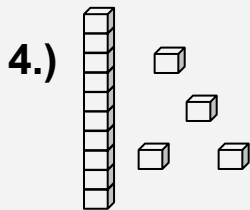
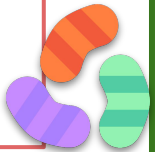
- a.) 8      c.) 15  
b.) 12     d.) 9



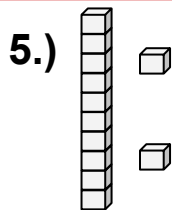
- a.) 16      c.) 19  
b.) 12      d.) 14



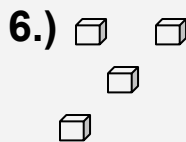
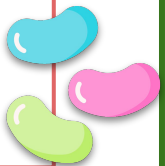
- a.) 11      c.) 7  
b.) 18      d.) 12



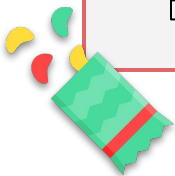
- a.) 14      c.) 9  
b.) 10      d.) 7



- a.) 4      c.) 15  
b.) 9      d.) 12



- a.) 16      c.) 4  
b.) 8      d.) 11

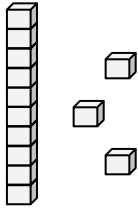


# GIFT BASKET

K  
Basic

The adults will be giving away free gift baskets to children who will answer this activity. Determine the number that represents the given set of blocks below by connecting the dots.

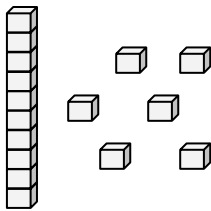
1.)



14

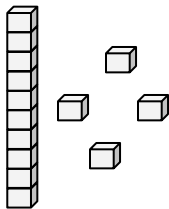


2.)



16

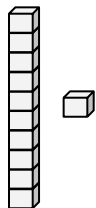
3.)



13

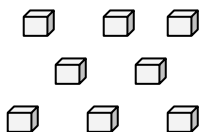


4.)



8

5.)



11



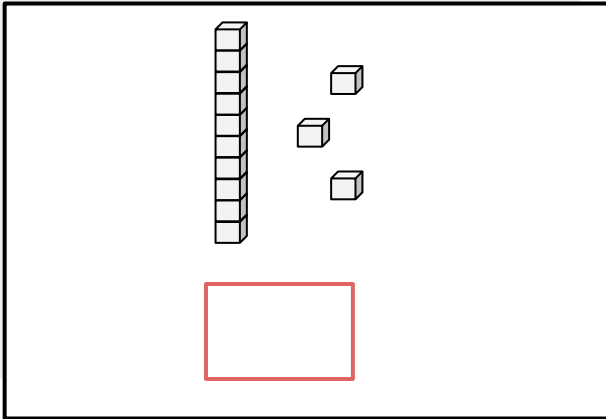


# EGG AND SPOON RACE

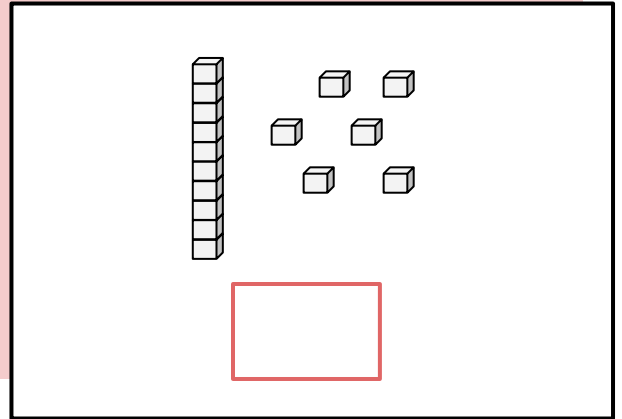
K  
Basic

To join the egg and spoon race, write the number that represents the number of blocks below. Write your answers on the space provided.

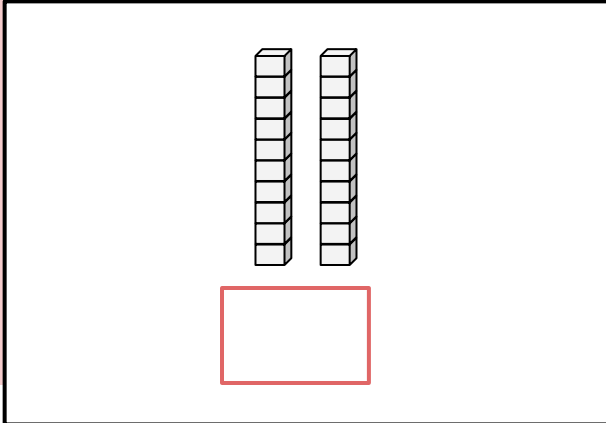
1.)



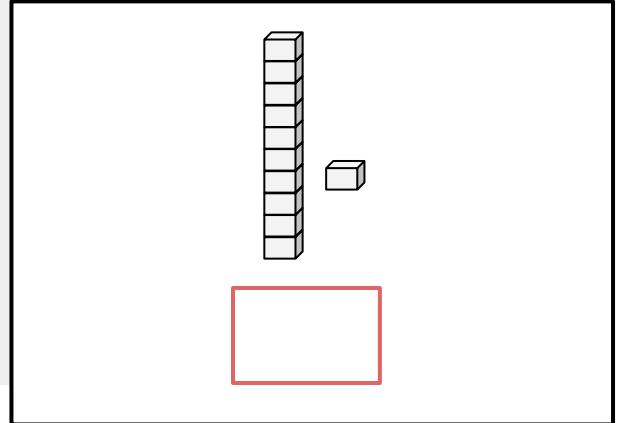
2.)



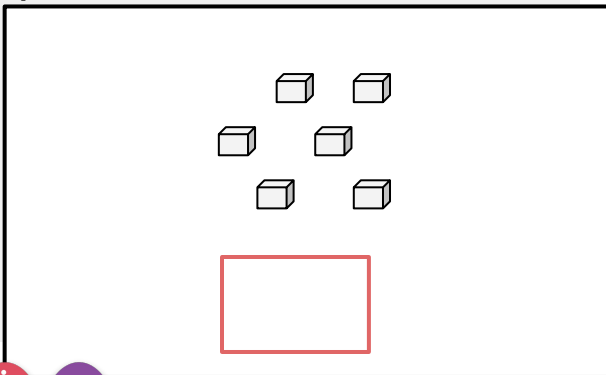
3.)



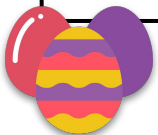
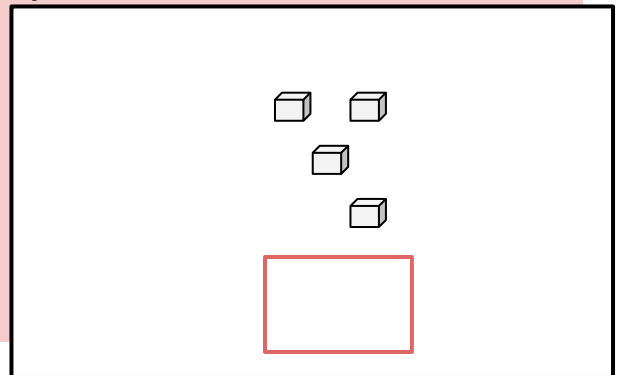
4.)



5.)



6.)

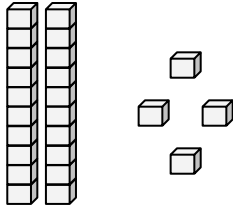


# EASTER COOKIES

G1  
Advanced

In celebration of Easter season, let's make some easter cookies! Determine the number of longs (tens) and units (ones) of the following set of blocks below. Write your answers on the space provided.

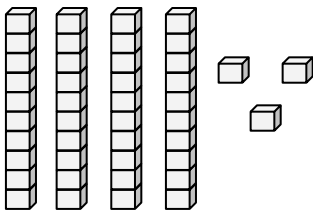
1.)



2	tens	4	ones
---	------	---	------

$$\underline{20} + \underline{4} = \underline{24}$$

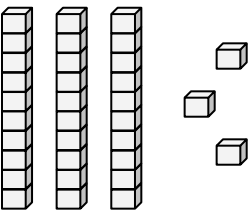
2.)



	tens		ones
--	------	--	------

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

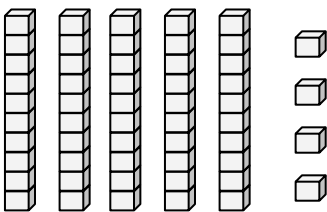
3.)



	tens		ones
--	------	--	------

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

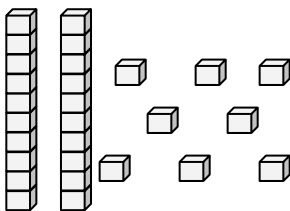
4.)



	tens		ones
--	------	--	------

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

5.)



	tens		ones
--	------	--	------

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

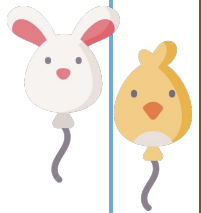


# BUNNY THEMED PARTY

G1  
Advanced

Help in decorating the party venue with lots of bunnies and Easter eggs. Illustrate the given numbers below using base 10 blocks. Draw your answers on the space provided.

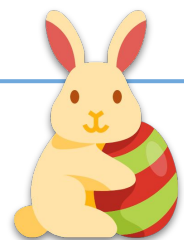
1.)  $58 =$



2.)  $75 =$

3.)  $19 =$

4.)  $67 =$

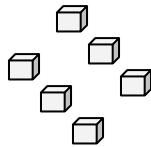
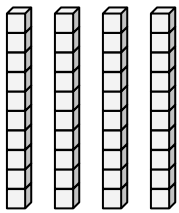


# EASTER EGG PAINTING

G1  
Advanced

Easter egg painting is one of the most exciting things to do during Easter. To paint an easter egg, illustrate the given numbers below using base 10 blocks. Draw your answers on the space provided.

Example:



$$4 \text{ tens} + 6 \text{ ones} = 46$$

1.)



2.)



3.)



4.)



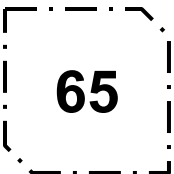
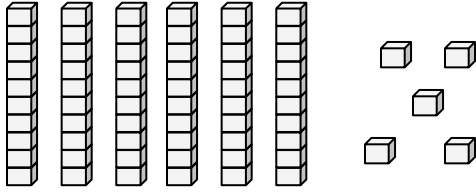
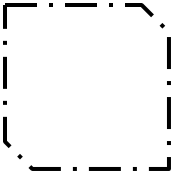
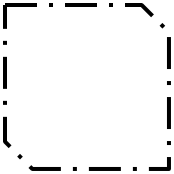
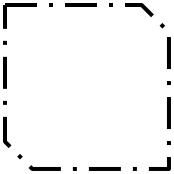
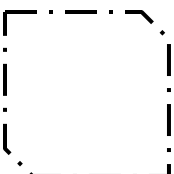
5.)

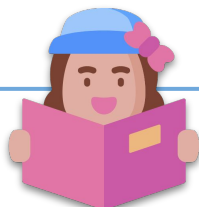


# EASTER CHILDREN'S BOOK

G1  
Advanced

Easter children's books will be given to learners who can answer the following. Think of a number and illustrate it using base 10 blocks. Number 1 is for your reference.

Number	Illustration	Expansion
1.) 		$\underline{60} + \underline{5} = \underline{65}$
2.) 		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
3.) 		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
4.) 		$\underline{\quad} + \underline{\quad} = \underline{\quad}$
5.) 		$\underline{\quad} + \underline{\quad} = \underline{\quad}$



# EASTER EGG HUNTING

G1  
Advanced

Let's join the Easter egg hunting! Read the following word problems carefully and do what is asked. Write your answers on the space provided.

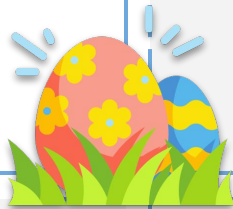
Janna, Yna, James and Paul joined the annual Easter egg hunting in their town. It usually lasts for about 1 hour to find all the easter eggs around the venue. After one hour, Janna got 24 eggs, Yna got 19 eggs, James got 27 eggs and Paul got 31 eggs. Represent the number of eggs they found by using base 10 blocks.

1.) Janna

2.) Yna

3.) James

4.) Paul



# ANSWER GUIDE

## Activity 1

1.) 5   2.) 8   3.) 5   4.) 3   5.) 4   6.) 9

## Activity 2

1.) 20   2.) 26   3.) 14   4.) 12   5.) 5   6.) 15   7.) 16   8.) 6

## Activity 3

1.) a   2.) a   3.) b   4.) a   5.) d   6.) c

## Activity 4

1.) 13   2.) 16   3.) 14   4.) 11   5.) 8

## Activity 5

1.) 13   2.) 16   3.) 20   4.) 11   5.) 6   6.) 4

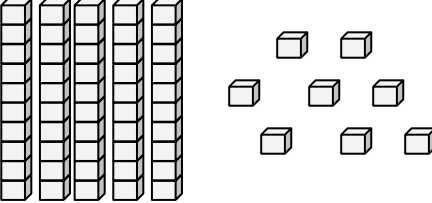


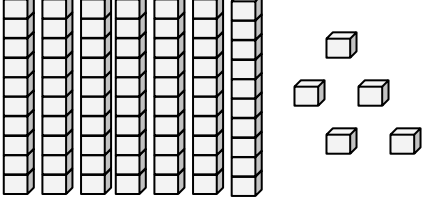
# ANSWER GUIDE

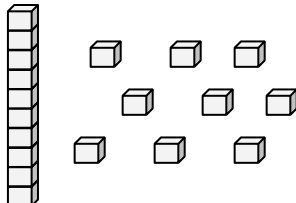
## Activity 6

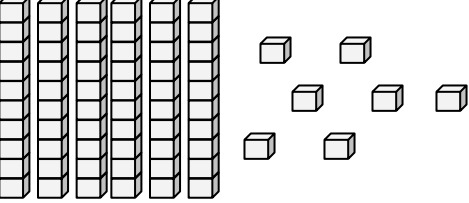
- 2.) tens: 4 ; ones: 3 = 43    3.) tens: 3 ; ones: 3 = 33  
4.) tens: 5 ; ones: 4 = 54    5.) tens: 2 ; ones: 8 = 28

## Activity 7

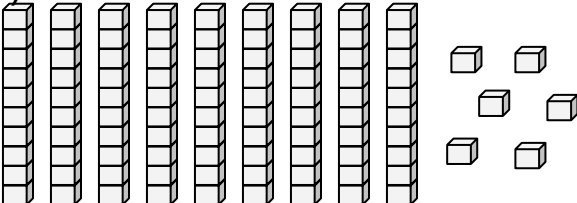
1.) 

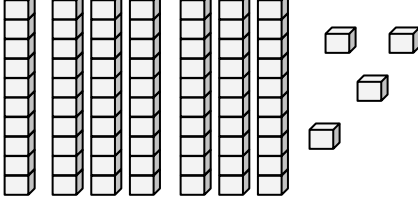
2.) 

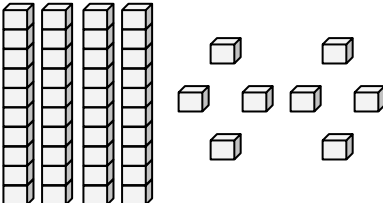
3.) 

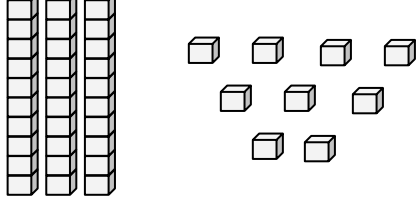
4.) 

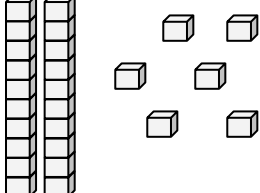
## Activity 8

1.) 

2.) 

3.) 

4.) 

5.) 



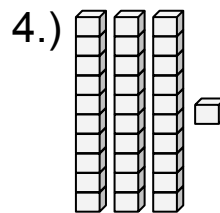
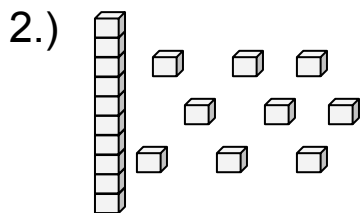
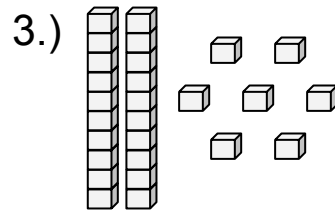
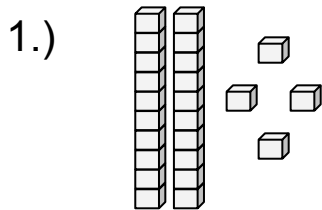


# ANSWER GUIDE

## Activity 9

Learners' answers may vary.

## Activity 10



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