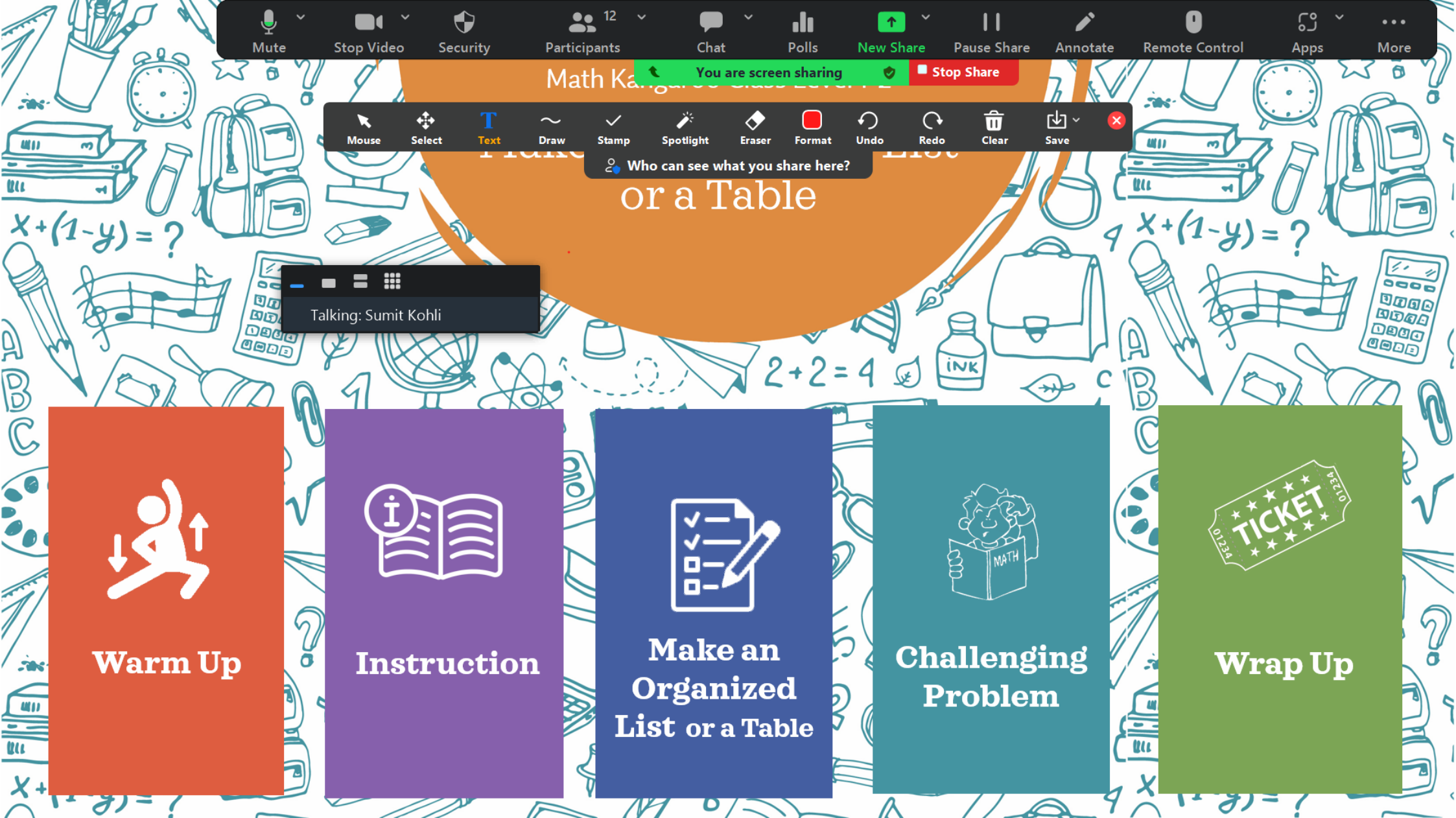

Mute
Stop Video
Security
Participants
Chat
Polls
New Share
Pause Share
Annotate
Remote Control
Apps
More
You are screen sharing
Stop Share
Mouse
Select
Text
Draw
Stamp
Spotlight
Eraser
Format
Undo
Redo
Clear
Save
Who can see what you share here?
or a Table
Talking: Sumit Kohli
Warm Up
Instruction
Make an Organized List or a Table
Challenging Problem
Wrap Up

Mute | Stop Video | Security | Participants 12 | Chat 2 | Polls | New Share | Pause Share | Annotate | Remote Control | Apps | More

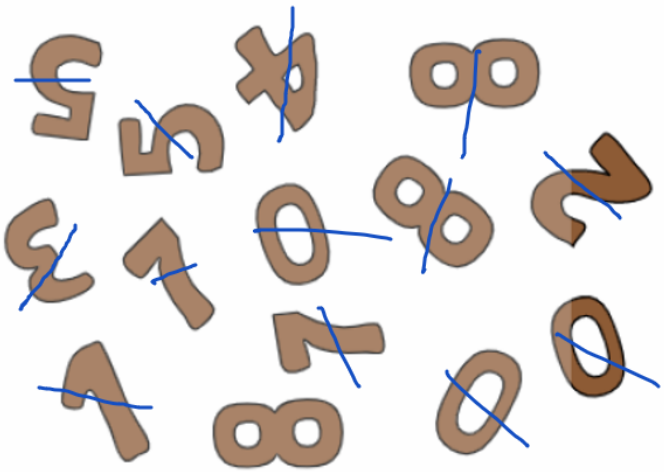
You are screen sharing | Stop Share

Talking: Sumit Kohli

Wa

MK 2013 #1

Which digits are missing on the right?



Make an Organized List or a Table

6
1 3 4 5 7 8
6, 9
4
9
5

0 1 2 3 4 5 6 7 8 9

Mouse | Select | Text | Draw | Stamp | Spotlight | Eraser | Format | Undo | Redo | Clear | Save

Who can see what you share here?

Mute Stop Video Security Participants 12 Chat 2 Polls New Share Pause Share Annotate Remote Control Apps More
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Make an Organized List

This strategy is useful when you need to come up with many different possibilities.

- First, figure out ways to group your ideas.
- Then concentrate on one group at a time and think of all the possibilities inside that group.
- If possible, arrange the groups a systematic order (e.g. 1, 2, 3, etc.) to keep you from missing or repeating groups.

Mouse Select Text Draw Stamp Spotlight Eraser Format Undo Redo Clear Save
Who can see what you share here?

Talking: Sumit Kohli

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Who can see what you share here?

MK 2008 #15

1. Adam wrote all the numbers from 1 to 60 inclusive. How ma… digit 5?

Organized List or a Table

1 digit number	10–19	20–29	30–39	40–49	50–59	60
0–9						
5	15	25	35	45	50 51 52 53 54 55 56 57 58 59	0
1	1	1	1	1	11	

16

6
12
11
15
14
7

MK 2016 #13

Talking: Sumit Kohli

Mute | Stop Video | Security | Participants 12 | Chat 1 | Polls | New Share | Pause Share | Annotate | Remote Control | Apps | More

You are screen sharing | Stop Share

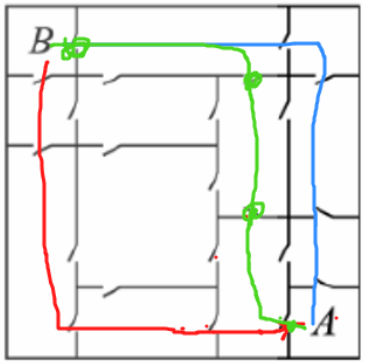
Mouse | Select | Text | Draw | Stamp | Spotlight | Eraser | Format | Undo | Redo | Clear | Save

Who can see what you share here?

Make an List or a Table

…use, each room is connec… the picture). Baby Roo wants to get from room A to room B. Wh… of doors that he needs to go through?

5



4

1
4
6
5

Mute Stop Video Security Participants 12 Chat Polls New Share Pause Share Annotate Remote Control Apps More
You are screen sharing Stop Share

Make an Organized List or a Table

3. Three girls and two boys were dancing. They danced in pairs so that each girl danced with each boy for exactly one minute. At any time, there was only one pair on the dance floor. For how many minutes did they dance?

Talking: Sumit Kohli
Mouse Select Text Draw Stamp Spotlight Eraser Format Undo Redo Clear Save
Who can see what you share here?

G1 G2

B1 B2

5 3 6 9

G1	G2	G3	
G1 B1 G1 B2 2	G2 B1 G2 B2 2	G3 B1 G3 B2 2	6 6 min

Mute Stop Video Security Participants 12 Chat 1 Polls New Share Pause Share Annotate Remote Control Apps More
You are screen sharing Stop Share
Make an Organized
Talking: Sumit Kohli
Mouse Select Text Draw Stamp Spotlight Eraser Format Undo Redo Clear Save
Who can see what you share here?

MK 2016 #24

4. The numbers 1, 5, 8, 9, 10, 12, and 15 are divided into groups of one or more numbers. The [illegible] in each group is t[illegible] grou[illegible]

$1+5+8+9+10+12+15=60$

2
1 5
129

Group 1

1 5
8 9
10 12
15

2 Groups

5 10
15
30

1 8
9 12
30

3 groups

1 9
10
20

8
12
20

5
15
20

4 groups X

15
15
15
15
10
5
15

Mute Stop Video Security Participants 12 Chat 1 Polls New Share Pause Share Annotate Remote Control Apps More
You are screen sharing Stop Share
Make an Organized
Talking: Sumit Kohli
Mouse Select Text Draw Stamp Spotlight Eraser Format Undo Redo Clear Save
Who can see what you share here?

MK 2016 #24

4. The numbers 1, 5, 8, 9, 10, 12, and 15 are divided into groups of one or more numbers. The [illegible] in each group is t[illegible] grou[illegible]

3

$1+5+8+9+10+12+15=60$

2
1 5
129

Group 1 ✓

1 5
8 9
10 12
15

2 Groups ✓

5 10
15
30

1 8
9 12
30

3 groups ✓

1 9
10
20

8
12
20

5
15
20

4 groups ✗

15
15
15
15
10
5
15

Mute Stop Video Security Participants 12 Chat 2 Polls New Share Pause Share Annotate Remote Control Apps More
You are screen sharing Stop Share
Eze entered the
Mouse Select Text Draw Stamp Spotlight Eraser Format Undo Redo Clear Save
Who can see what you share here?
Talking: Sumit Kohli

MK 2012 #3

5. How many legs do these animals have?

14

Table

Animal	How many	Legs	Total legs
Hen	3	2	6
Cat	1	4	4
Dog	1	4	4

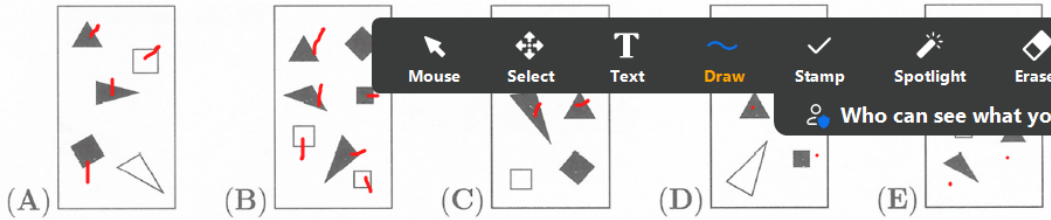
Mute | Stop Video | Security | Participants 12 | Chat 2 | Polls | New Share | Pause Share | Annotate | Remote Control | Apps | More
You are screen sharing | Stop Share

MK 2020 #7

Make an Organized

Talking: Sumit Kohli

6. Ana draws a picture of some shapes. Her picture contains 3 black triangles and fewer than 4 squares. Which could be Anna's picture?



Mouse | Select | Text | Draw | Stamp | Spotlight | Eraser | Format | Undo | Redo | Clear | Save
Who can see what you share here?

B
C
E
B, E

Picture	Black triangles	Squares
A	2	2
B	3	4
C	2	3
D	1	3
E	3	3

7. In which picture are there twice as many apples as carrots and twice as many carrots as pears?

(A)

(B)

(C)

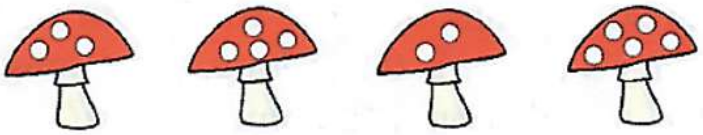
(D)

(E)

Answer: D

Picture	Apples	Carrots	Pears
A			
B			
C			
D			
E			

8. The number of dwarfs that can fit under a mushroom is equal to the number of dots on the mushroom cap. The picture below shows one side of each mushroom. The number of dots on the other side is the same. If 30 dwarfs are seeking shelter from rain, how many dwarfs will get wet?



Mushroom	Dots on one side	Dots on both sides	Dwarfs to fit
First			
Second			
Third			
Fourth			