

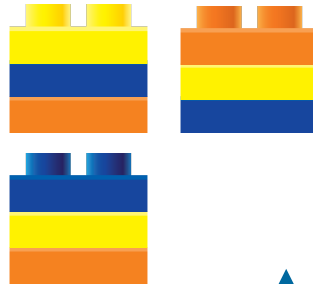


Use these blocks to build tall towers that have a green block on top. How many different towers can you make?

6 combinations

G	G	G	G	G	G
R	R	B	B	Y	Y
Y	B	Y	R	B	R
B	Y	R	Y	R	B

Here are some tall towers I have built with these three blocks.



I haven't made all the different possible solutions.

How many are missing?

3 missing

Y	B	O
O	O	B
B	Y	Y



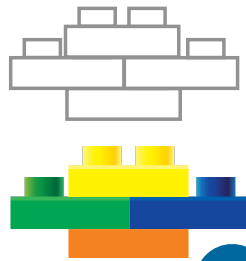
Use these blocks to build tall towers that have a green block on top. How many different towers can you make?

3 combinations

G	G	G
Y	B	B
B	Y	B
B	B	Y

How many ways can I build this wide tower if the blue block is always in the middle row?

I have shown you one example.

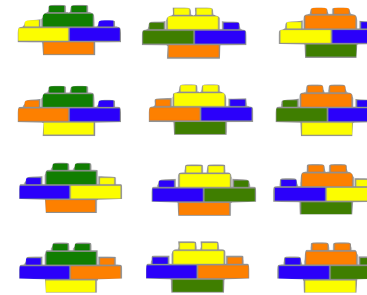


1



Pilot Project / Draft

12 Towers



1



Pilot Project / Draft

How many different ways can I build a tall tower using these four blocks?



2



Pilot Project / Draft

12 Towers

Why are there more towers with blue tops?

R	R	R	Y	Y	Y	B	B	B	B	B	B
B	B	Y	B	B	R	B	B	R	R	Y	Y
B	Y	B	B	R	B	R	Y	B	Y	B	R
Y	B	B	R	B	B	Y	R	Y	B	R	B

2

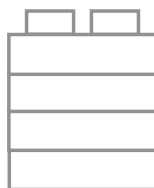


Pilot Project / Draft

My tall tower is four blocks high.

It is made out of two colours. There are two blocks of each colour.

How many different ways can I build my tower?

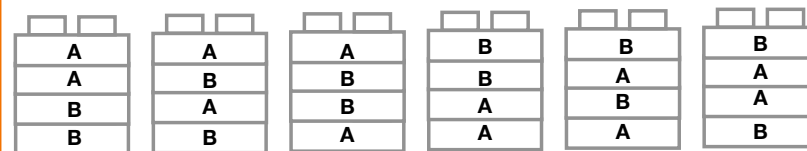


3



Pilot Project / Draft

6 ways



3



Pilot Project / Draft

I am building this wide tower with four blocks.
Red and orange blocks must be on the top or bottom.

How many are missing?



2 are missing



How many different tall towers can you build if the green block can only be at the top or the bottom?



12 Towers

G	G	G	G	G	G	O	O	B	B	Y	Y
O	O	B	B	Y	Y	B	Y	O	Y	B	O
B	Y	O	Y	B	O	Y	B	Y	O	O	B
Y	B	Y	O	O	B	G	G	G	G	G	G

How many tall towers can you create with these blocks if the red block must be directly on top of the yellow block?



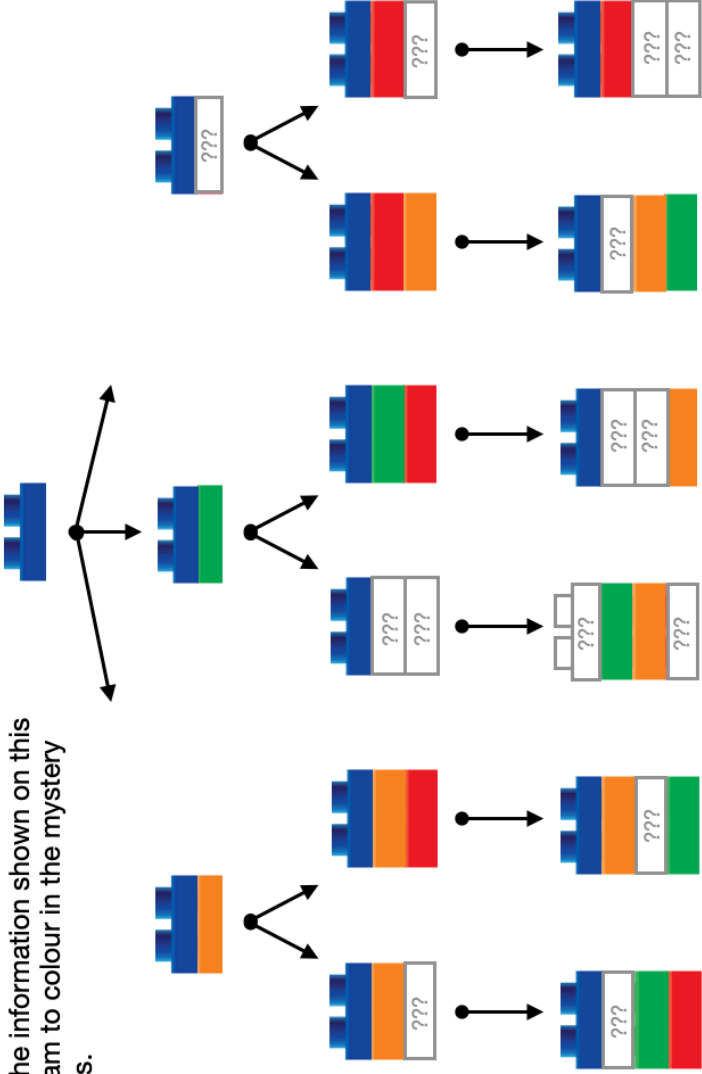
6 Towers

G	G	B	B	R	R
R	B	R	G	Y	Y
Y	R	Y	R	B	G
B	Y	G	Y	G	B

What are the rules?

Name: _____

Use the information shown on this diagram to colour in the mystery pieces.



I used these blocks to build towers that have a blue block on top. I could make 6 different towers.

Use the information shown on this diagram to fill in the missing pieces.

