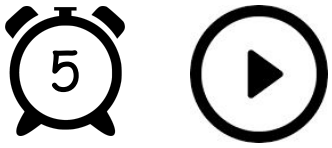
Modeling Fractions Greater Than 1



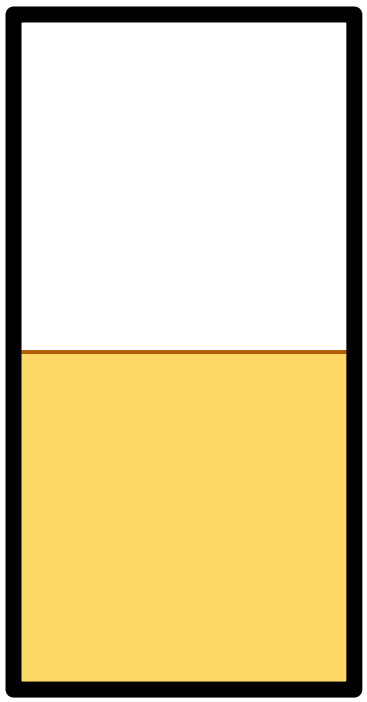
Tool Scavenger Hunt

Let's learn about the tool we'll be using!

1) Change the Denominator
2) Change the Numerator
3) Add a new fraction
4) Make all the denominators equal.
5) Discover something else!

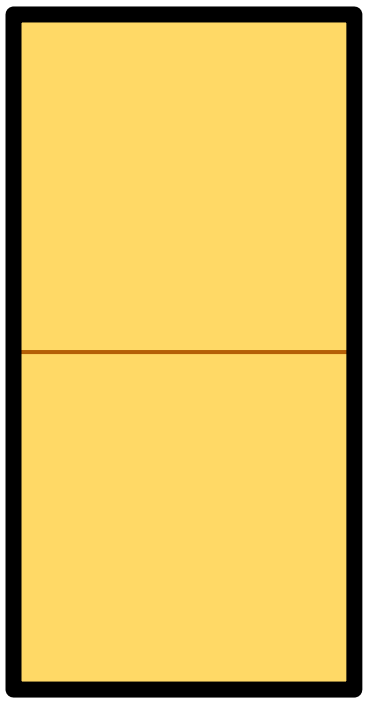
Share with a partner, then discuss as a class.

What fraction is this?



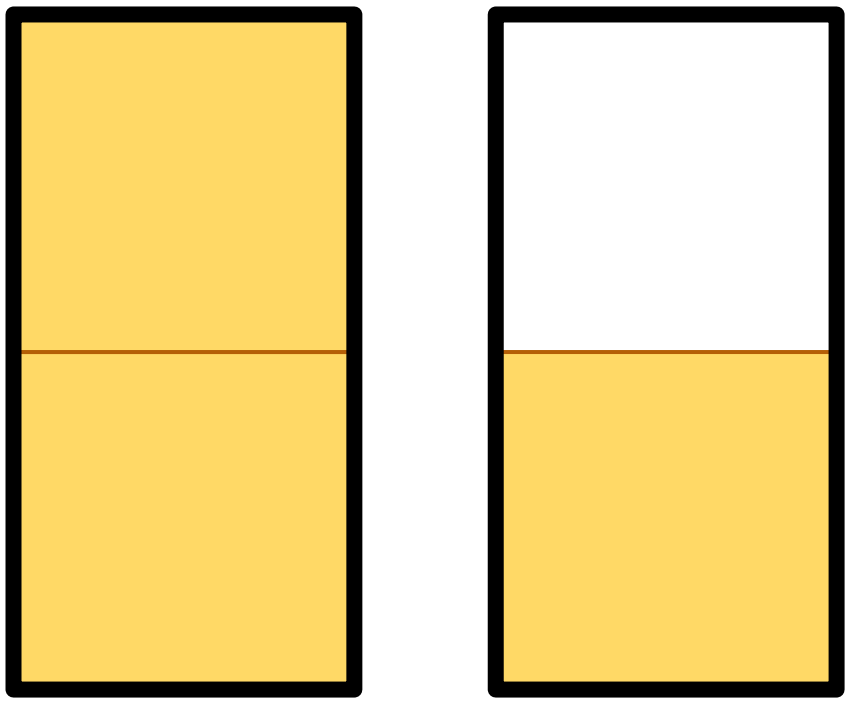
Slide sequence (1 of 4)

What fraction is this?



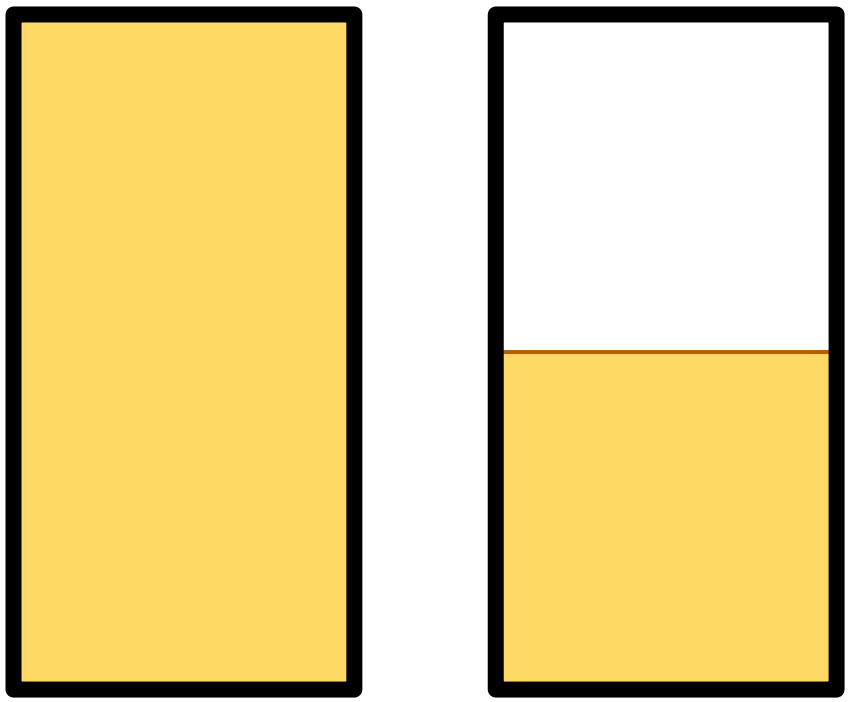
Slide sequence (2 of 4)

What fraction is this?



Slide sequence (3 of 4)

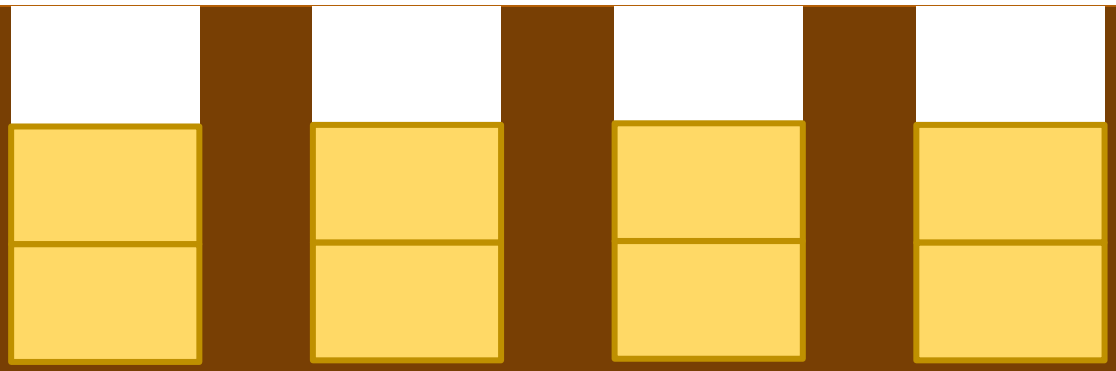
What fraction is this?



Slide sequence (4 of 4)

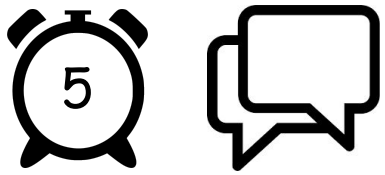
7

How much more sand does JiJi need?



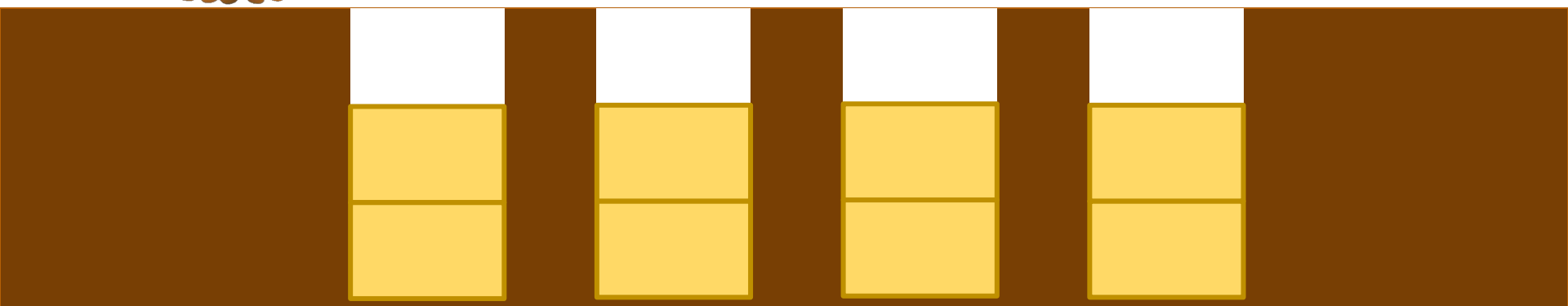
Each bucket of sand fills one whole pit.

Use the tool and draw the solutions on your paper.



Share Your Strategy

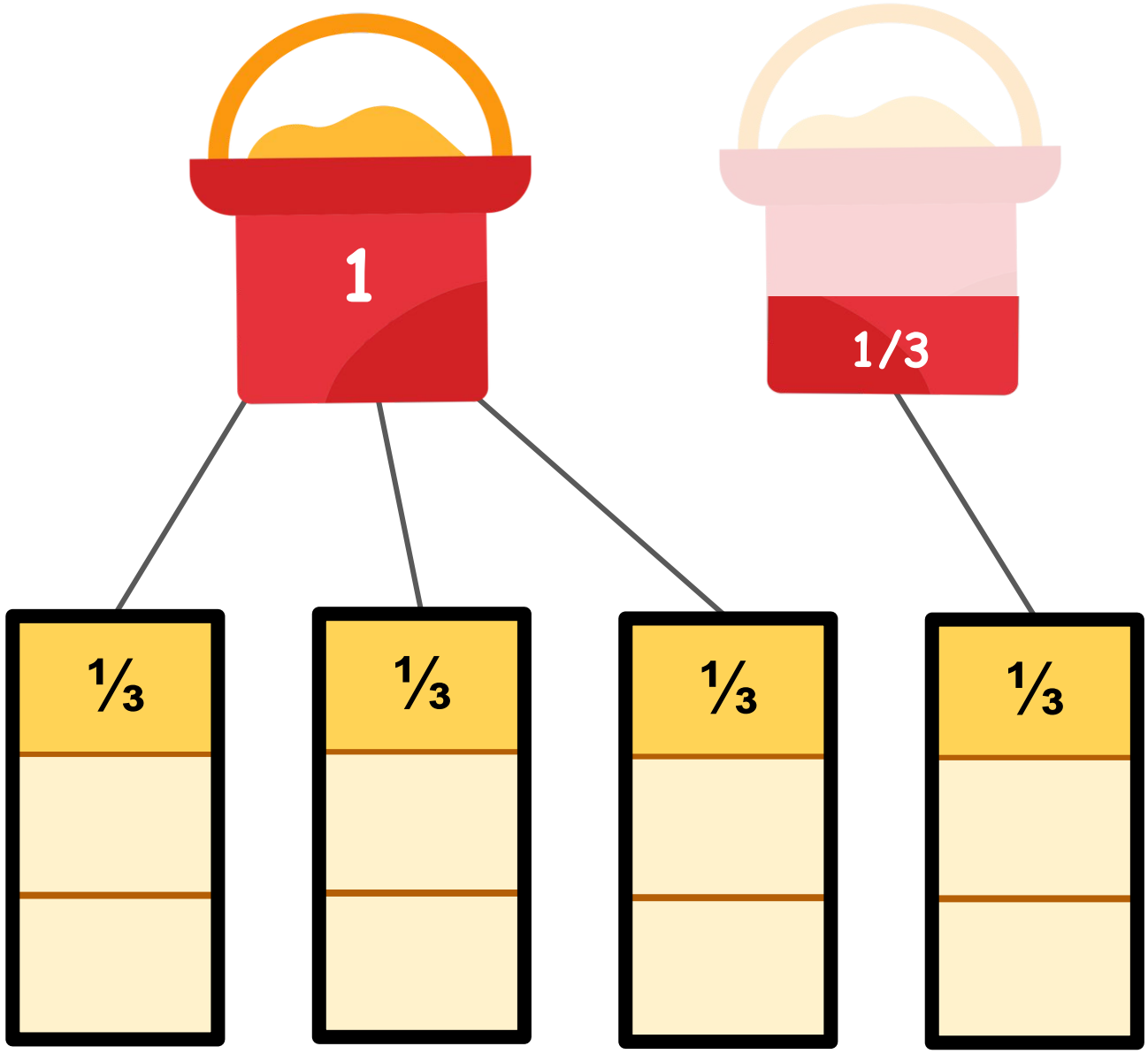
How much more sand does JiJi need?



Each bucket of sand fills one whole pit.

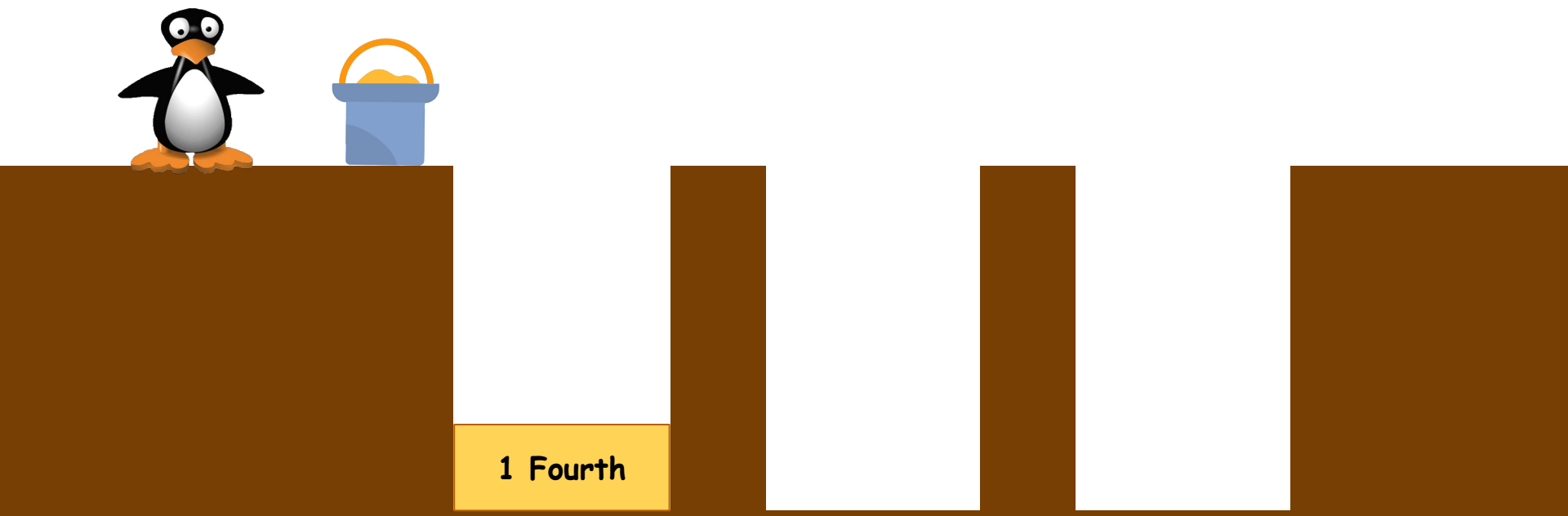
Summarize

4 thirds of a bucket = $\frac{4}{3}$



7

JiJi found a little bucket that would fill 1 fourth of a pit.

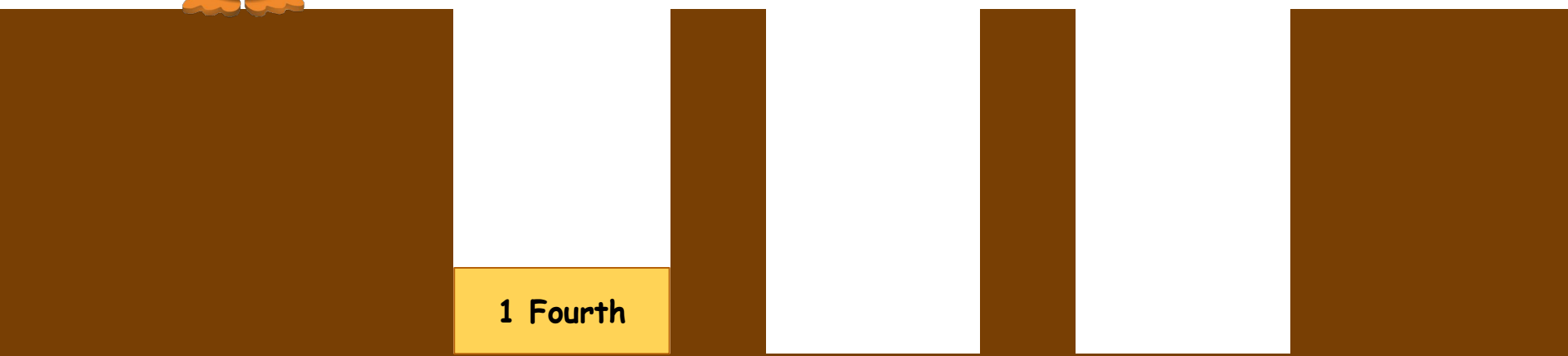


How many buckets are needed to fill the rest?

Use the tool and draw the solutions on your paper.

Discuss

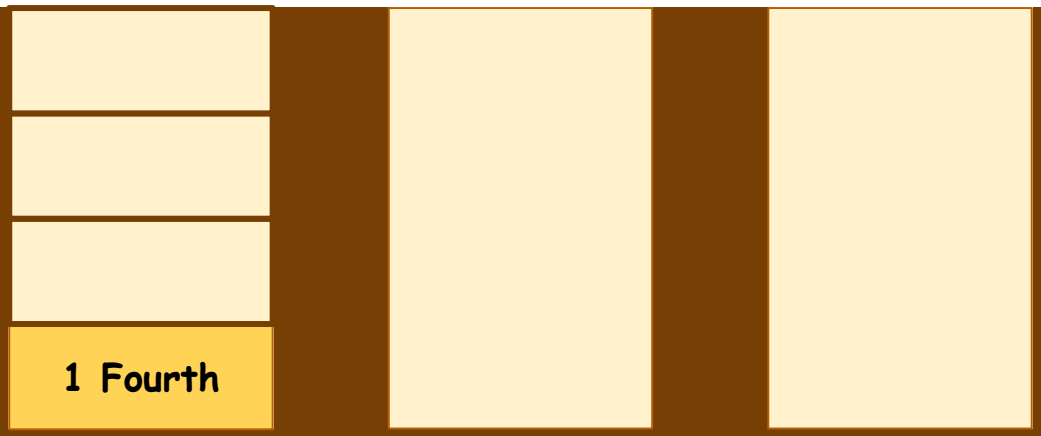
How many little buckets did JiJi need?



Discuss and model using the tool

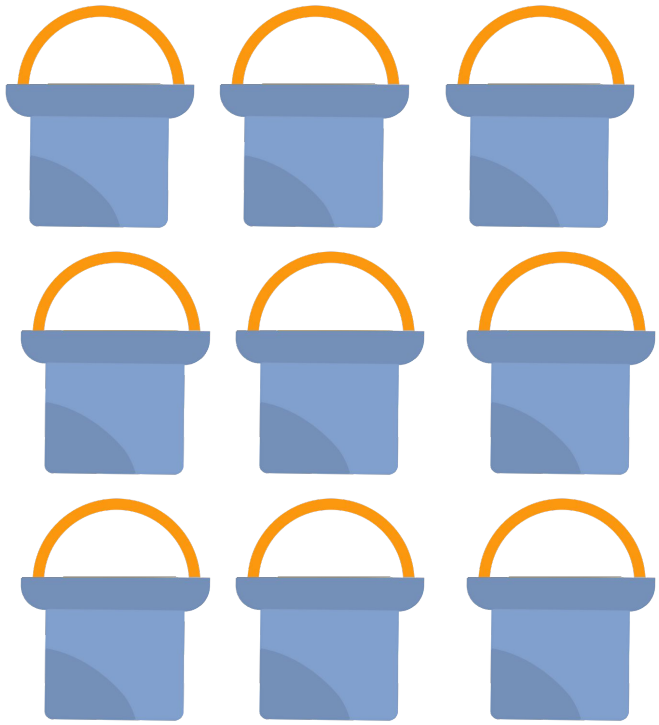
Summarize

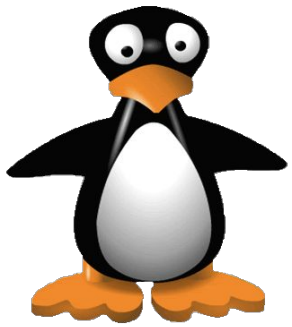
11 Small Buckets filled __ and 3 fourths of a pit.



Conclusion

How many pits can JiJi fill with the small buckets?





Remember, small buckets fill $\frac{1}{4}$ of a pit!.