



5.01.20

Applying divisibility rules

Are these numbers divisible by 4? Show using the bar model.

16

				Even number
				Half
				Half again

20

				Even number
				Half
				Half again

48

				Even number
				Half
				Half again

96

				Even number
				Half
				Half again

124

				Even number
				Half
				Half again

CHALLENGE 2



- ▶ 'A factory makes ping-pong balls and sells them in packs of four.'
- 'Can 568 ping-pong balls be divided into whole packs of four?'
- 'Can 998 packs of ping-pong balls be divided into whole packs of four?'
- Dòng nǎo jīn: 'How many ping-pong balls will be left over?'

1. How can you show if they are or are not divisible by 4? (explain using visual and written representation)
2. What other numbers of ping-pong balls can be divided into whole packs of 4?

Challenge 1

Can you draw your own bar model to show how these numbers can be divided by 4? You might need to use a ruler to help you draw it.

- 1) 32
- 2) 40
- 3) 100
- 4) 12