

Chilli Challenges - 5/2/21

Answer at least one challenge question.

Self-assess your learning with the answers. No Peeking!

Mild Green Chilli

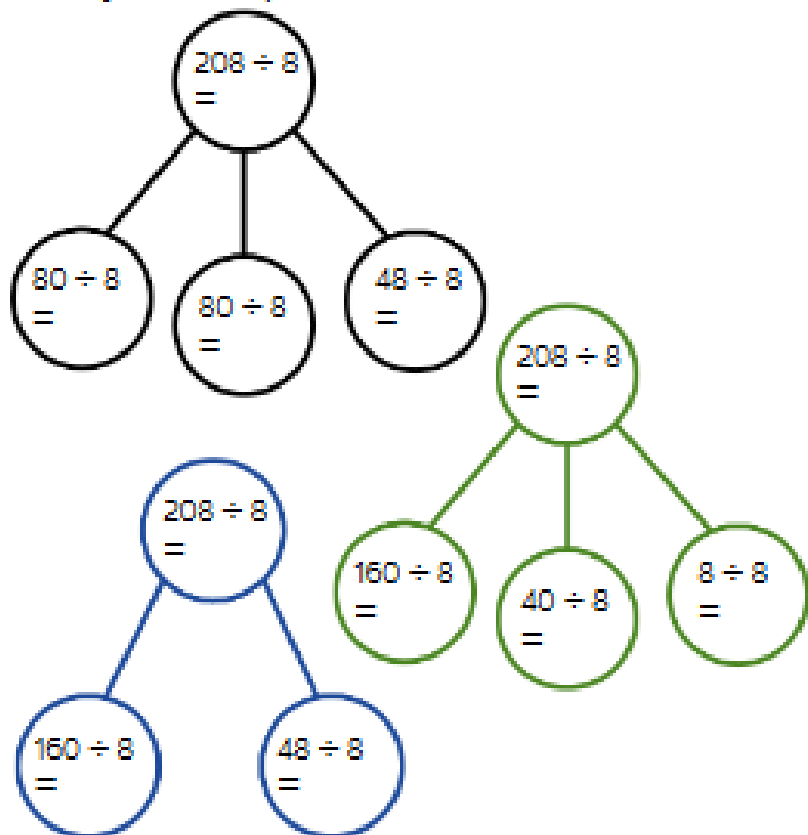
True or False?

To divide 639 by 3 you need to use the short division method.

Hot Yellow Chilli

Dexter is calculating $208 \div 8$ using part-whole models.

Can you complete each model?

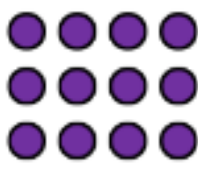


How many part-whole models can you make to calculate $132 \div 4$?

Spicy Red Chilli

You have 12 counters and the place value grid. You must use all 12 counters to complete the following.

Hundreds	Tens	Ones



Create a 3-digit number divisible by 2

Create a 3-digit number divisible by 3

Create a 3-digit number divisible by 4

Create a 3-digit number divisible by 5

Can you find a 3-digit number divisible by 6, 7, 8 or 9?

Chilli Challenges - 5/2/21

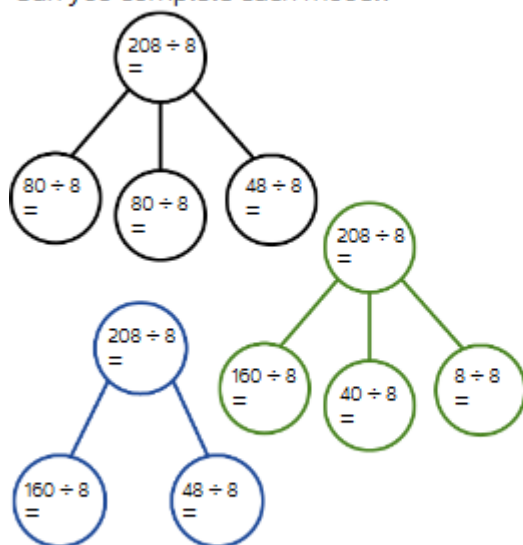
Answers

False

$639 \div 3$ is easy to do mentally.

Dexter is calculating $208 \div 8$ using part-whole models.

Can you complete each model?



How many part-whole models can you make to calculate $132 \div 4$?

$208 \div 8 = 26$
 $80 \div 8 = 10$
 $48 \div 8 = 6$
 $160 \div 8 = 20$
 $40 \div 8 = 5$
 $8 \div 8 = 1$

Children can then make a range of part-whole models to calculate $132 \div 4$
 e.g.
 $100 \div 4 = 25$
 $32 \div 4 = 8$

You have 12 counters and the place value grid. You must use all 12 counters to complete the following.

Hundreds	Tens	Ones

- Create a 3-digit number divisible by 2
- Create a 3-digit number divisible by 3
- Create a 3-digit number divisible by 4
- Create a 3-digit number divisible by 5
- Can you find a 3-digit number divisible by 6, 7, 8 or 9?

2: Any even number

3: Any 3-digit number (as the digits add up to 12, a multiple of 3)

4: A number where the last two digits are a multiple of 4

5: Any number with 0 or 5 in the ones column.

Possible answers

6: Any even number

7: 714, 8: 840

9: impossible