Monday 25th January 2021

To solve division word problems using a number line.

<u>EMA</u>

*	**	***
2 x 2 =	____ x 2 = 14	___ x 4 = 24
5 x 2 =	____ x 5 = 20	____ x 8 = 56
3 x 3 =	____ x 10 = 80	____ x 8 = 88
4 x 12 =	____ x 4 = 16	____ x 4 = 48

EMA - Answers

*	**	***
2 x 2 = 4	__7__ x 2 = 14	_6__ x 4 = 24
5 x 2 = 10	__4__ x 5 = 20	_7__ x 8 = 56
3 x 3 = 9	__8__ x 10 = 80	_11_ x 8 = 88
4 x 12 = 48	__4__ x 4 = 16	_12_ x 4 = 48

6 jumps

+ 4   + 4   + 4   + 4   + 4   + 4

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

24 ÷ 4 = 6

32 ÷ 2

10 jumps
(2 x 10 = 20)

1   1   1   1   1   1

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

32 ÷ 2

10 jumps

10 groups of
2 in 20

1 jump 1 1 1 1 1

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

Add up all the jumps....

32 ÷ 2 = 16

Steps to success (chunking)

1. Jump along the number line in jumps of the 1-digit number. **Use your known multiplication to jump in bigger steps.**

2. Stop when you have reached the 2-digit number

3. Count up your jumps

4. Check your answer!

Choose one of these questions to have a go at…
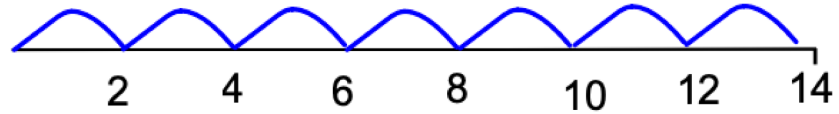
* 14 ÷ 2 =

** 27 ÷ 3 =

*** 70 ÷ 5 =

**** 88 ÷ 4 =

Answers…

1. 14 ÷ 2 = 7

2. 27 ÷ 3 = 9
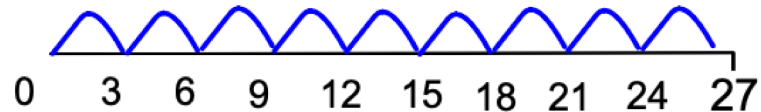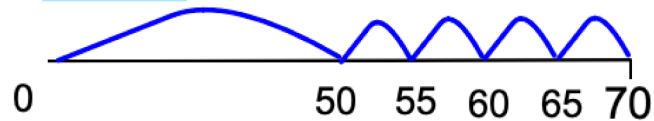
3. 70 ÷ 5 = 14

4. 88 ÷ 4 = 22

22 ÷ 2 =

2   4   6   8   10   12   14

27 ÷ 3 =

0   3   6   9   12   15   18   21   24   27

70 ÷ 5 =

0   50   55   60   65   70

88 ÷ 4 =

0   40   80   84   88
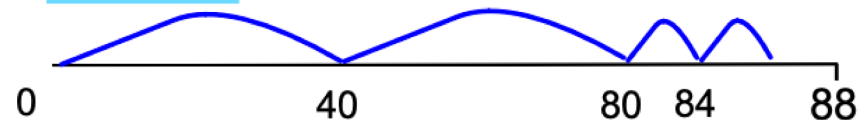
*I can solve division word problems using a number line.

1) How many teams of 5 can be made from 45 people?	
2) A group of 32 children are going to the fair. They are travelling in cars. 2 children fit into each car. How many cars are needed?	
3) A pizza serves 3 hungry children. How many pizzas would be needed to feed 27 hungry children?	
4) A big box of biscuits has 90 biscuits in 10 layers. How many biscuits in each layer?	

**I can solve division word problems using a number line.

1) How many teams of 5 can be made from 90 people?	
2) A group of 56 children are going to the fair. They are travelling in cars. 4 children fit into each car. How many cars are needed?	
3) A pizza serves 3 hungry children. How many pizzas would be needed to feed 72 hungry children?	
4) A big box of biscuits has 75 biscuits in 5 layers. How many biscuits in each layer?	

***I can solve division word problems using a number line.

1) How many teams of 6 can be made from 96 people?	
2) A group of 92 children are going to the fair. They are travelling in cars. 4 children fit into each car. How many cars are needed?	
3) A pizza serves 3 hungry children. How many pizzas would be needed to feed 87 hungry children?	
4) A big box of biscuits has 84 biscuits in 7 layers. How many biscuits in each layer?	
5) Alice thinks of a number and multiples it by 4. Her answer is 160. What was her number?	