

Thursday 21st January 2021

To divide 2-digit numbers by
1-digit numbers, using a
number line

EMA

$1 \times 5 =$

$0 \times 10 =$

$2 \times 4 =$

$5 \times 6 =$

$10 \times 7 =$

$2 \times 5 =$

$5 \times 10 =$

$3 \times 4 =$

$5 \times 3 =$

$2 \times 9 =$

$4 \times 6 =$

$10 \times 10 =$

$3 \times 7 =$

$0 \times 4 =$

EMA - answers

$$1 \times 5 = 5$$

$$0 \times 10 = 0$$

$$2 \times 4 = 8$$

$$5 \times 6 = 30$$

$$10 \times 7 = 70$$

$$2 \times 5 = 10$$

$$5 \times 10 = 50$$

$$3 \times 4 = 12$$

$$5 \times 3 = 15$$

$$2 \times 9 = 18$$

$$4 \times 6 = 24$$

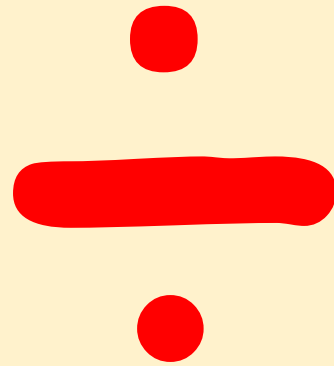
$$10 \times 10 = 100$$

$$3 \times 7 = 21$$

$$0 \times 4 = 0$$

divide

share equally



share by

groups of

Division asks how many times does the smaller number go into the bigger number?

$$24 \div 4 =$$

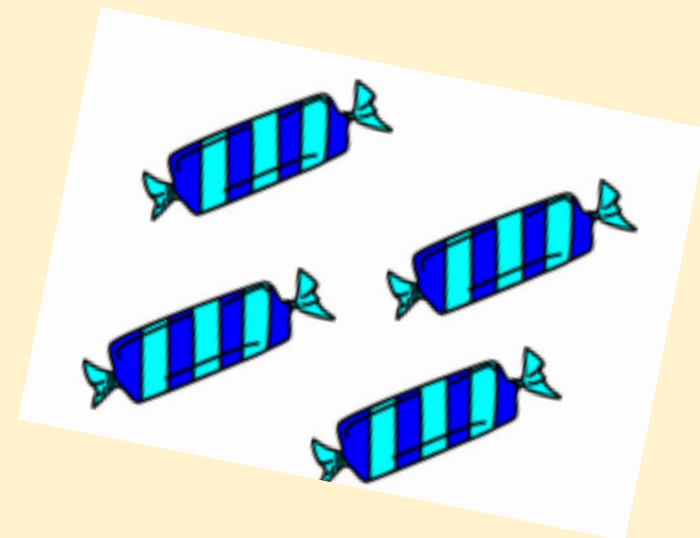
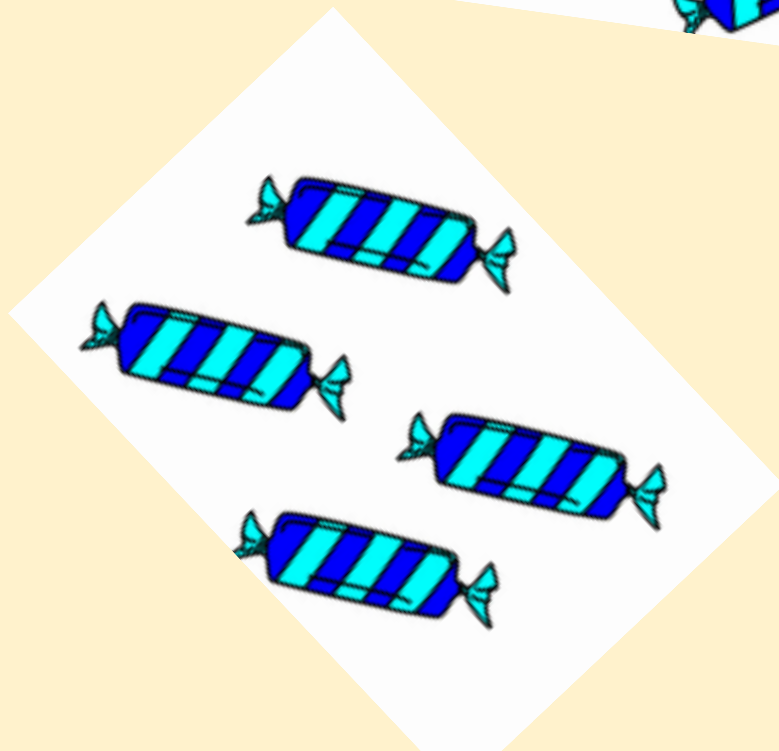
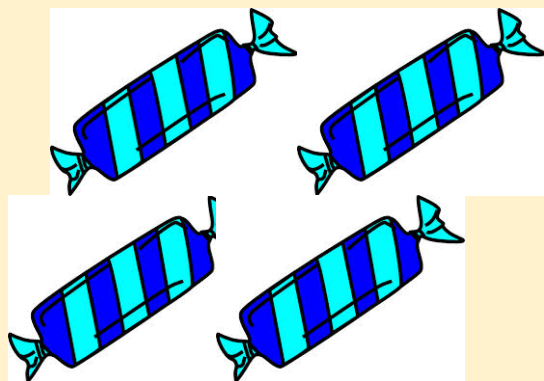
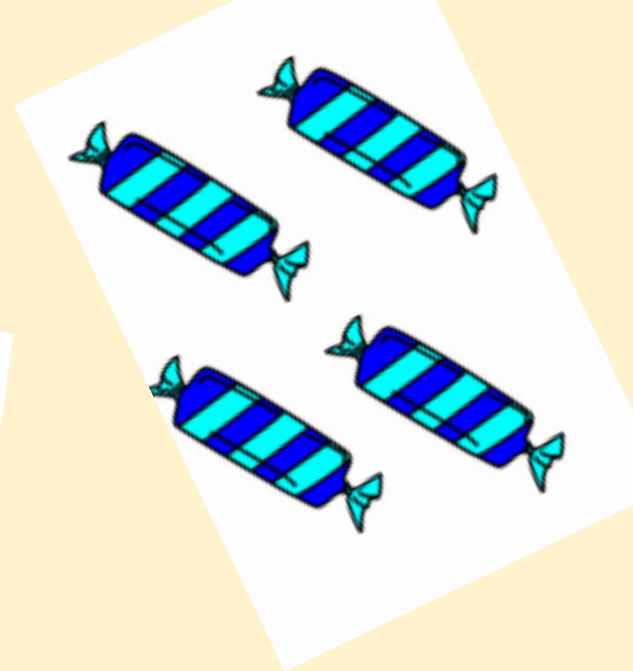
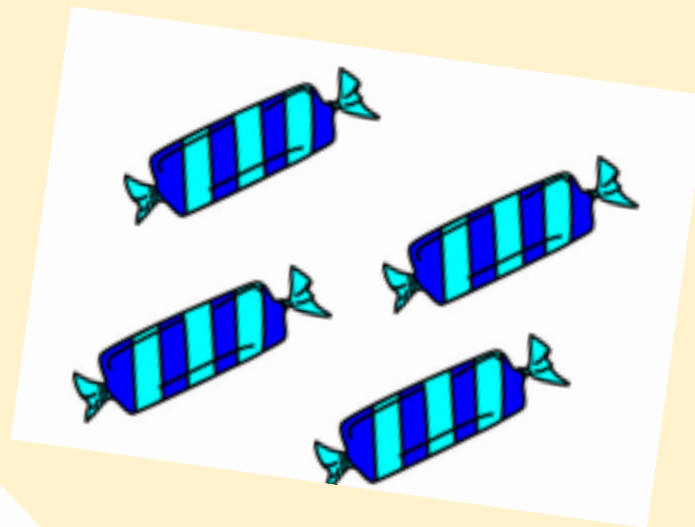
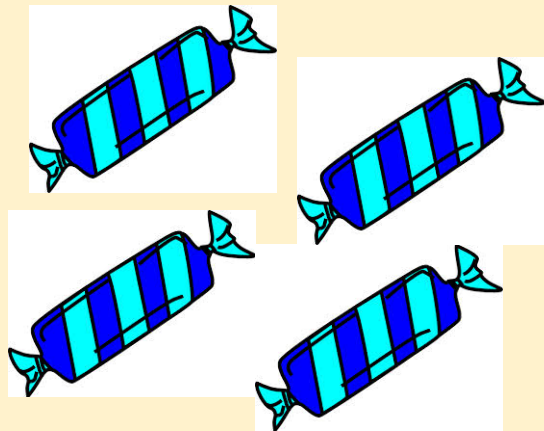


How many times does 4 go into 24?

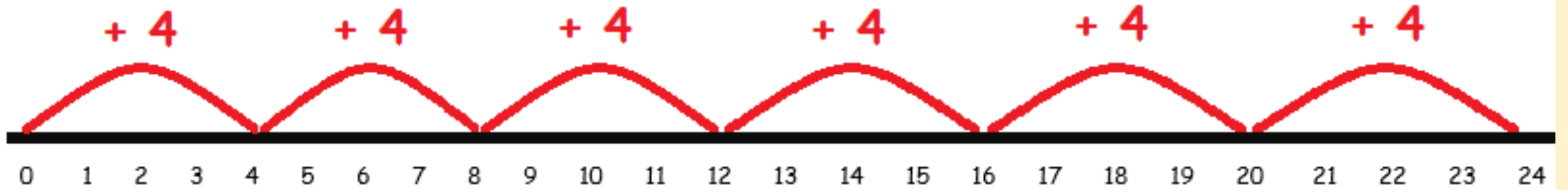
How many groups of 4 can you make with 24?

How many 4s make 24?

$$24 \div 4 =$$

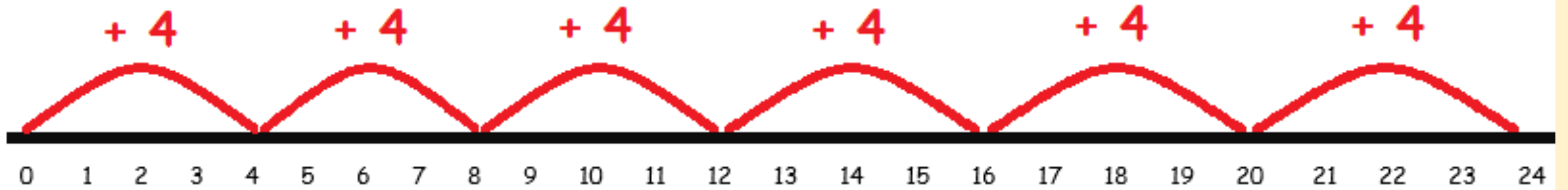


6 jumps



$$24 \div 4 = 6$$

6 jumps




$$24 \div 4 = 6$$

What is $24 \div 6$?

My turn....

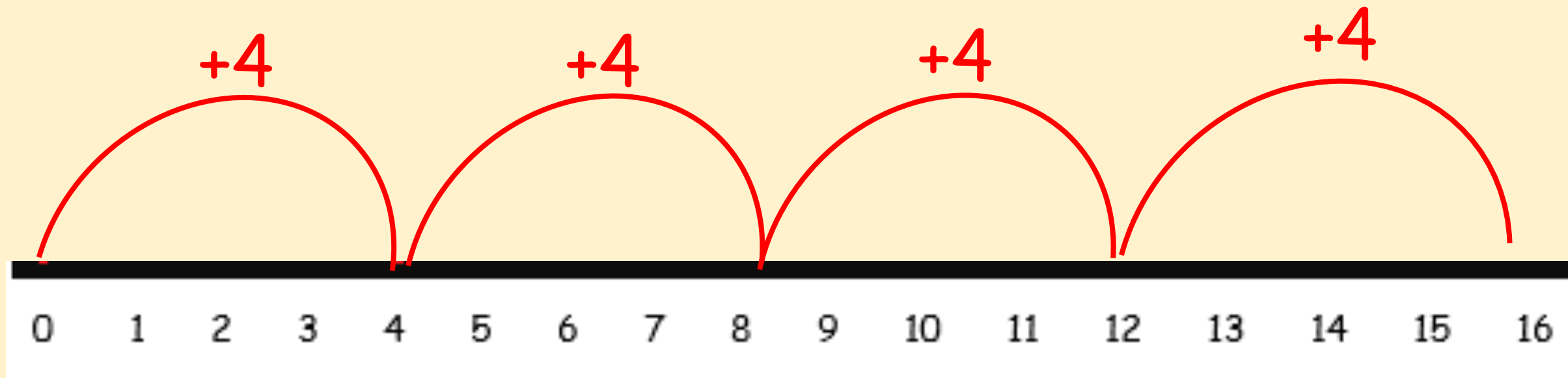
$$16 \div 4$$



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

My turn....

$$16 \div 4$$



$$16 \div 4 = 4$$



Steps to success!



1. Jump along the number line in jumps of the 1-digit number
2. Stop when you have reached the 2-digit number
3. Count up your jumps
4. Check your answer!

Thursday 20th January 2021

To divide 2-digit numbers by
1-digit numbers, using a
number line and chunking

My turn....

$$32 \div 2$$

5×2

5×2

5×2

2

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

My turn....

$$32 \div 2$$

5 × 2

5 × 2

5 × 2

1 × 2

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

My turn....

$$32 \div 2$$

5 × 2

5 × 2

5 × 2

1 × 2

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

$$= 5 + 5 + 5 + 1$$

$$32 \div 2 = 16$$

Your turn....

$$30 \div 5$$

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



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!