

28.01.21

To use a number line to divide
(with remainders)

4 Times Table Speed Challenge

Challenge 1

$0 \times 4 = \underline{\quad}$

$1 \times 4 = \underline{\quad}$

$2 \times 4 = \underline{\quad}$

$3 \times 4 = \underline{\quad}$

$4 \times 4 = \underline{\quad}$

$5 \times 4 = \underline{\quad}$

$6 \times 4 = \underline{\quad}$

$7 \times 4 = \underline{\quad}$

$8 \times 4 = \underline{\quad}$

$9 \times 4 = \underline{\quad}$

$10 \times 4 = \underline{\quad}$

$11 \times 4 = \underline{\quad}$

$12 \times 4 = \underline{\quad}$

Time:

Correct answers:

Challenge 2

$2 \times 4 = \underline{\quad}$

$6 \times 4 = \underline{\quad}$

$10 \times 4 = \underline{\quad}$

$9 \times 4 = \underline{\quad}$

$3 \times 4 = \underline{\quad}$

$12 \times 4 = \underline{\quad}$

$8 \times 4 = \underline{\quad}$

$0 \times 4 = \underline{\quad}$

$1 \times 4 = \underline{\quad}$

$7 \times 4 = \underline{\quad}$

$11 \times 4 = \underline{\quad}$

$4 \times 4 = \underline{\quad}$

$5 \times 4 = \underline{\quad}$

Time:

Correct answers:

Challenge 3

$5 \times 4 = \underline{\quad}$

$9 \times 4 = \underline{\quad}$

$2 \times 4 = \underline{\quad}$

$3 \times 4 = \underline{\quad}$

$1 \times 4 = \underline{\quad}$

$7 \times 4 = \underline{\quad}$

$11 \times 4 = \underline{\quad}$

$8 \times 4 = \underline{\quad}$

$10 \times 4 = \underline{\quad}$

$4 \times 4 = \underline{\quad}$

$0 \times 4 = \underline{\quad}$

$12 \times 4 = \underline{\quad}$

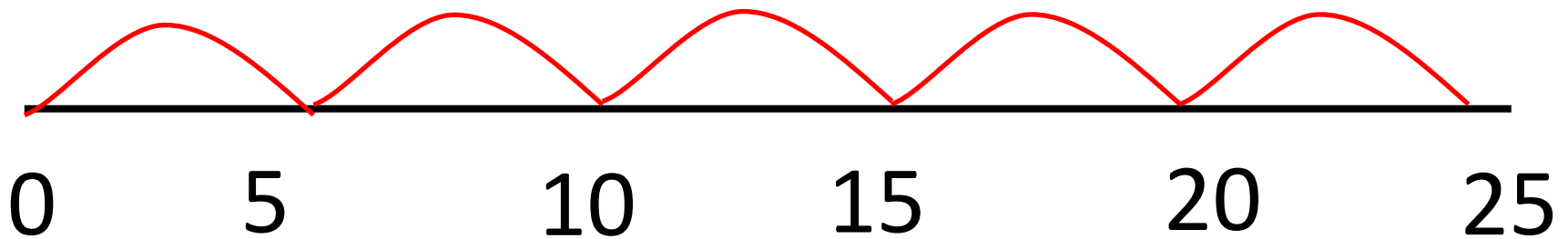
$6 \times 4 = \underline{\quad}$

Time:

Correct answers:

Number line division recap

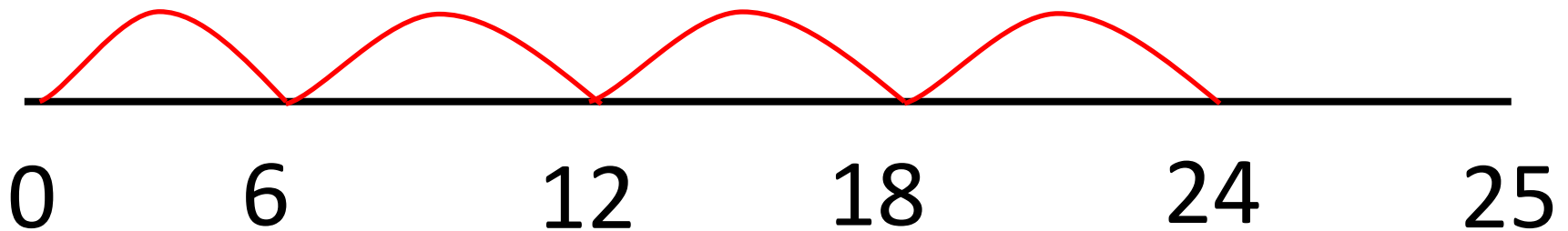
$$25 \div 5 =$$



There are 5 jumps of 5, so $25 \div 5 = 5$

Division with remainders

$$25 \div 6 =$$



There are 4 full jumps and one left over.

$$25 \div 6 = 4r1$$

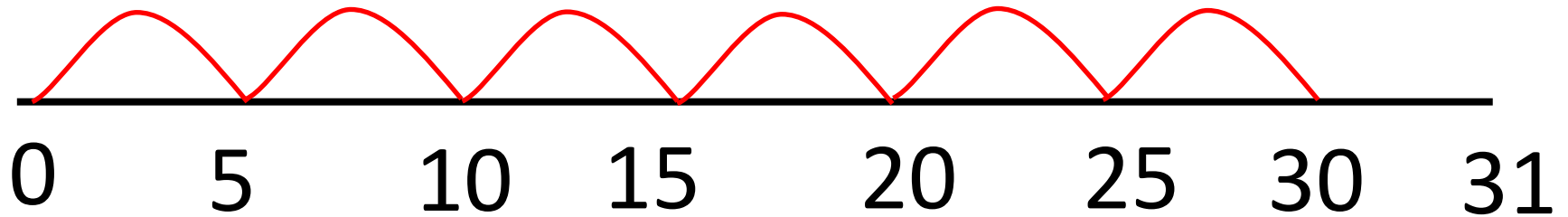
Try these...

$$31 \div 5 =$$

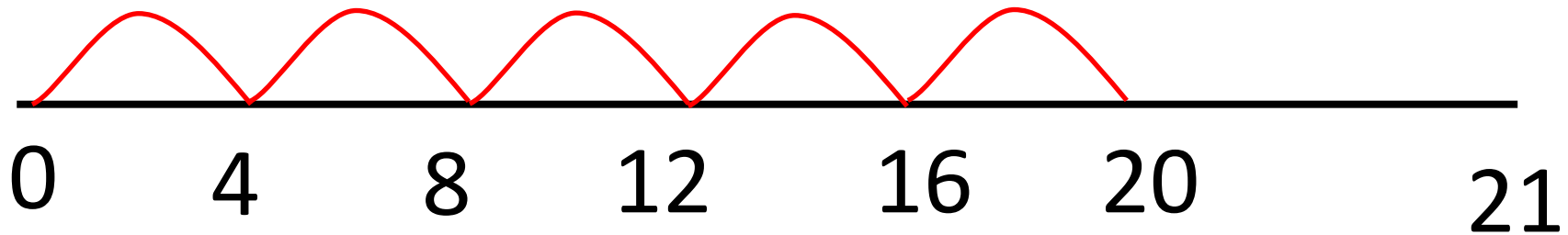
$$21 \div 4 =$$

Try these...

$$31 \div 5 = 6 \text{ remainder } 1$$



$$21 \div 4 = 5 \text{ remainder } 1$$



*I can use a number line to divide (with remainders).

$$57 \div 5 =$$

$$36 \div 10 =$$

$$21 \div 2 =$$

$$72 \div 5 =$$

$$63 \div 10 =$$

**I can use a number line to divide (with remainders).

$$56 \div 3 =$$

$$37 \div 4 =$$

$$92 \div 8 =$$

$$89 \div 4 =$$

$$68 \div 8 =$$

***I can use a number line to divide (with remainders).

$$69 \div 6 =$$

$$57 \div 4 =$$

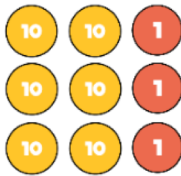
$$93 \div 8 =$$

$$99 \div 7 =$$

$$78 \div 9 =$$

Challenge

Alex uses place value counters to help her calculate $63 \div 3$



Tens	Ones
10	10 1
10	10 1
10	10 1

She gets an answer of 12
Is she correct?

Which calculation is the odd one out?
Explain your thinking.

$$64 \div 8$$

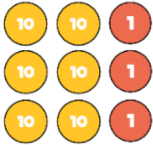
$$77 \div 4$$

$$49 \div 6$$

$$65 \div 3$$

Challenge - ANSWERS

Alex uses place value counters to help her calculate $63 \div 3$



Tens	Ones
10	10 1
10	10 1
10	10 1

She gets an answer of 12
Is she correct?

Alex is incorrect because she has not placed counters in the correct columns.

It should look like this:

Tens	Ones
10 10	1
10 10	1
10 10	1

The correct answer is 21

Which calculation is the odd one out?
Explain your thinking.

$$64 \div 8$$

$$77 \div 4$$

$$49 \div 6$$

$$65 \div 3$$

$64 \div 8$ could be the odd one out as it is the only calculation without a remainder.

Make sure other answers are considered such as $65 \div 3$ because it is the only one being divided by an odd number.