

Declarative Knowledge – XT Focus!



0 x 4 =	1 x 4 =	2 x 4 =	3 x 4 =	4 x 4 =	*
1 x 4 =	3 x 4 =	4 x 4 =	2 x 4 =	0 x 4 =	*
2 x 4 =	4 x 4 =	1 x 4 =	0 x 4 =	3 x 4 =	*
1 x 4 =	0 x 4 =	3 x 4 =	4 x 4 =	2 x 4 =	*
3 x 4 =	2 x 4 =	0 x 4 =	1 x 4 =	4 x 4 =	*
0 x 4 =	4 x 4 =	3 x 4 =	2 x 4 =	1 x 4 =	*
4 x 4 =	0 x 4 =	2 x 4 =	1 x 4 =	3 x 4 =	*
1 x 4 =	3 x 4 =	2 x 4 =	0 x 4 =	4 x 4 =	*

File downloaded from John Taylor's Teachers, www.johntaylorteachers.co.uk

Year 4 MTC = 6 seconds per question for 25 questions.

Using the above 40 questions would equate to 4 minutes.

We are going to set the challenge of 2 minutes each day. (3 seconds a question as they will only have 5 questions which are repeated.) **20/40 is actually the aim!**

We will focus on 1 XT for 2 weeks and then the corresponding division facts for 1 week. (3 week cycles)

Declarative Knowledge 3 Week Cycle Example

0 x 4 =	1 x 4 =	2 x 4 =	3 x 4 =	4 x 4 =	*
1 x 4 =	3 x 4 =	4 x 4 =	2 x 4 =	0 x 4 =	*
2 x 4 =	4 x 4 =	1 x 4 =	0 x 4 =	3 x 4 =	*
1 x 4 =	0 x 4 =	3 x 4 =	4 x 4 =	2 x 4 =	*
3 x 4 =	2 x 4 =	0 x 4 =	1 x 4 =	4 x 4 =	*
0 x 4 =	4 x 4 =	3 x 4 =	2 x 4 =	1 x 4 =	*
4 x 4 =	0 x 4 =	2 x 4 =	1 x 4 =	3 x 4 =	*
1 x 4 =	3 x 4 =	2 x 4 =	0 x 4 =	4 x 4 =	*

4 XT is the example:

Week 1 - Monday

$$0 \times 4 =$$

$$1 \times 4 =$$

$$2 \times 4 =$$

$$3 \times 4 =$$

$$4 \times 4 =$$

Week 1 - Tuesday

$$4 \times 0 =$$

$$4 \times 1 =$$

$$4 \times 2 =$$

$$4 \times 3 =$$

$$4 \times 4 =$$

Week 1 - Wednesday

$$5 \times 4 =$$

$$6 \times 4 =$$

$$7 \times 4 =$$

$$8 \times 4 =$$

$$9 \times 4 =$$

Week 1 - Thursday

$$4 \times 5 =$$

$$4 \times 6 =$$

$$4 \times 7 =$$

$$4 \times 8 =$$

$$4 \times 9 =$$

Week 1 - Friday

$$8 \times 4 =$$

$$9 \times 4 =$$

$$10 \times 4 =$$

$$11 \times 4 =$$

$$12 \times 4 =$$

Declarative Knowledge 3 Week Cycle Example

0 x 4 =	1 x 4 =	2 x 4 =	3 x 4 =	4 x 4 =	*
1 x 4 =	3 x 4 =	4 x 4 =	2 x 4 =	0 x 4 =	*
2 x 4 =	4 x 4 =	1 x 4 =	0 x 4 =	3 x 4 =	*
1 x 4 =	0 x 4 =	3 x 4 =	4 x 4 =	2 x 4 =	*
3 x 4 =	2 x 4 =	0 x 4 =	1 x 4 =	4 x 4 =	*
0 x 4 =	4 x 4 =	3 x 4 =	2 x 4 =	1 x 4 =	*
4 x 4 =	0 x 4 =	2 x 4 =	1 x 4 =	3 x 4 =	*
1 x 4 =	3 x 4 =	2 x 4 =	0 x 4 =	4 x 4 =	*

4 XT is the example:

Week 2 - Monday

$$4 \times 8 =$$

$$4 \times 9 =$$

$$4 \times 10 =$$

$$4 \times 11 =$$

$$4 \times 12 =$$

Week 2 - Tuesday

$$4 \times 4 =$$

$$6 \times 4 =$$

$$8 \times 4 =$$

$$10 \times 4 =$$

$$12 \times 4 =$$

Week 2 - Wednesday

$$3 \times 4 =$$

$$5 \times 4 =$$

$$7 \times 4 =$$

$$9 \times 4 =$$

$$11 \times 4 =$$

Week 2 - Thursday

$$4 \times 6 =$$

$$4 \times 7 =$$

$$4 \times 8 =$$

$$4 \times 9 =$$

$$4 \times 12 =$$

Week 2 - Friday

MIX UP FRIDAY (10

Grid) Use random questions from previous XTs and current one.

Declarative Knowledge 3 Week Cycle Example

0 x 4 =	1 x 4 =	2 x 4 =	3 x 4 =	4 x 4 =	*
1 x 4 =	3 x 4 =	4 x 4 =	2 x 4 =	0 x 4 =	*
2 x 4 =	4 x 4 =	1 x 4 =	0 x 4 =	3 x 4 =	*
1 x 4 =	0 x 4 =	3 x 4 =	4 x 4 =	2 x 4 =	*
3 x 4 =	2 x 4 =	0 x 4 =	1 x 4 =	4 x 4 =	*
0 x 4 =	4 x 4 =	3 x 4 =	2 x 4 =	1 x 4 =	*
4 x 4 =	0 x 4 =	2 x 4 =	1 x 4 =	3 x 4 =	*
1 x 4 =	3 x 4 =	2 x 4 =	0 x 4 =	4 x 4 =	*

4 XT is the example:

Week 3 - Monday

$$0 \div 4 =$$

$$4 \div 4 =$$

$$8 \div 4 =$$

$$12 \div 4 =$$

$$16 \div 4 =$$

Week 3 - Tuesday

$$20 \div 4 =$$

$$24 \div 4 =$$

$$28 \div 4 =$$

$$32 \div 4 =$$

$$36 \div 4 =$$

Week 3 - Wednesday

$$32 \div 4 =$$

$$36 \div 4 =$$

$$40 \div 4 =$$

$$44 \div 4 =$$

$$48 \div 4 =$$

Week 3 - Thursday

$$16 \div 4 =$$

$$24 \div 4 =$$

$$32 \div 4 =$$

$$40 \div 4 =$$

$$48 \div 4 =$$

Week 3 - Friday

$$12 \div 4 =$$

$$20 \div 4 =$$

$$28 \div 4 =$$

$$36 \div 4 =$$

$$44 \div 4 =$$

Declarative Knowledge – How We Do It!

0 x 4 =	1 x 4 =	2 x 4 =	3 x 4 =	4 x 4 =	*
1 x 4 =	3 x 4 =	4 x 4 =	2 x 4 =	0 x 4 =	*
2 x 4 =	4 x 4 =	1 x 4 =	0 x 4 =	3 x 4 =	*
1 x 4 =	0 x 4 =	3 x 4 =	4 x 4 =	2 x 4 =	*
3 x 4 =	2 x 4 =	0 x 4 =	1 x 4 =	4 x 4 =	*
0 x 4 =	4 x 4 =	3 x 4 =	2 x 4 =	1 x 4 =	*
4 x 4 =	0 x 4 =	2 x 4 =	1 x 4 =	3 x 4 =	*
1 x 4 =	3 x 4 =	2 x 4 =	0 x 4 =	4 x 4 =	*

1 = Revise the 5 questions using flash cards with the class, 'My Turn, Your Turn.' In order and then muddled. Firstly with answers and then without.

2 = Timer on for 2 minutes – How far can the children get? Challenge themselves everyday to get 1 more. Complete left to right because it is randomized. If time left, write this down.

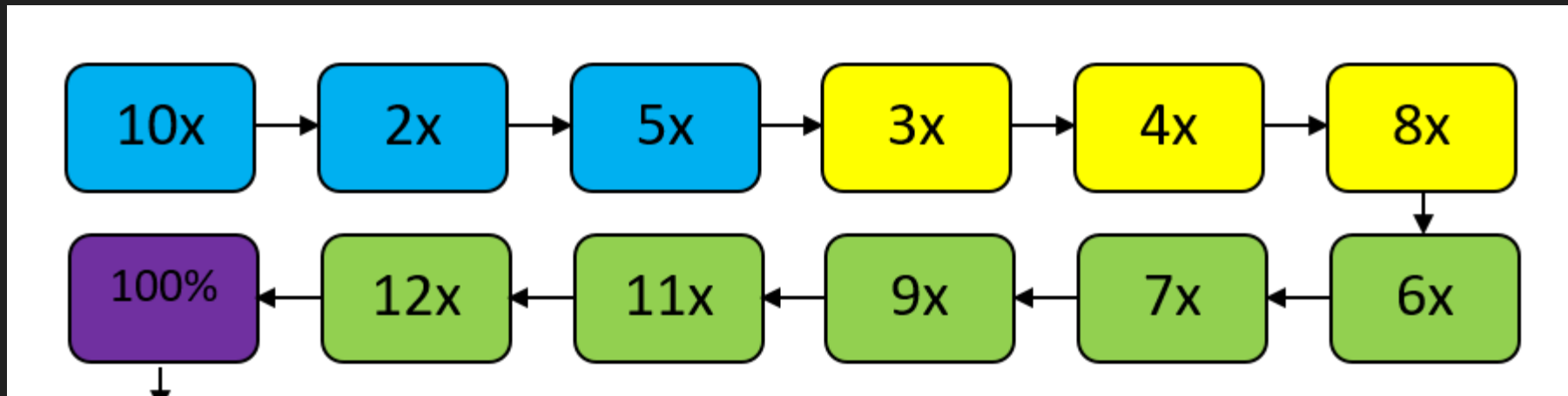
3 = After the 2mins, they need to swap books and mark with a **purple pen**. Teacher calls out the answers. Please display the answers on board visually as well.

4 = Children add up their total and record at the bottom out of 40.

****TAs to quickly observe chn for the teacher who have a lot of dots.****

Declarative Knowledge for XT Focus!

Order for learning XT:



National Curriculum Expectations:

Year 2 = 2, 5, 10

Year 3 = 3, 4, 8

Year 4 – 6 = ALL