Use the method we learnt yesterday to answer these questions

12 x 312 =
317 x 15 =
193 x 27 =

Remember to include the remainders in your final answer.

Put the answers in ascending order.

RECALL

Work out the multiplications.

a) 4,284 × 23

b) 2,142 × 46

Partition the numbers so you can set out the work properly.

What do you notice about the answers?

LO: multiplying 4 digit by 2 digit numbers

Some will even be able to work in systematic way to find various solutions.
Some will explain what mistakes have been made.
Most will answer word problems.
All will answer number problems.

LEARNING HABIT RESILIENCE.

Use the method you saw in guided practice to answer these following questions

2,468 x 22 =

4,886 x 13 =

4,122 x 38=

1,234 x 11=

2,443 x 26 =

8,244 x 19 =

look at the previous answers there may be some clues

Do you notice a pattern in each of the chillis?

INTELLIGENT PRACTICE.

Dive deeper 1

A machine makes 2,734 boxes every hour.

The machine works for 3 hours each day.

a) How many boxes will it make in 12 days?

Amir scores 4,680 points in a computer game for 12 games in a row.

Whitney scores 2,512 points every game for 24 games.

Who scores more points?

How many more?

Dive deeper 2

Rosie thinks that 2,541 x 42 = 12,146.

A) What mistakes do you think Rosie has made?
B) What is the correct answer?

Dive deeper 3

| 1 | 2 | 3 | 4 | 5 | 6 |

☐☐☐☐
× ☐☐

a) Using all the digit cards, create 4 different calculations and work out the answer to each.

b) Write your answers in ascending order.

c) What is the smallest product that can be made?

Look at the key information in each of the question

Which is the most difficult question? Explain why.

DIVE DEEPER

Dive deeper 1

A machine makes 2,734 boxes every hour.

The machine works for 3 hours each day.

a) How many boxes will it make in 12 days?

a) 36 x 2,734 = 98,424

Amir scores 4,680 points in a computer game for 12 games in a row.

Whitney scores 2,512 points every game for 24 games.

Who scores more points?

How many more?

Amir = 4,680 x 12 = 56,160
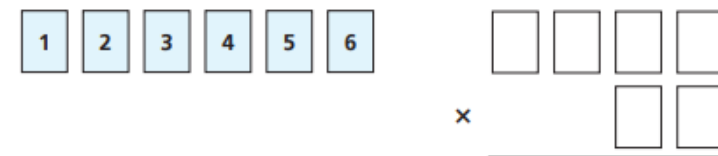Whitney = 2,512 x 24 = 60,288

Dive deeper 2

Rosie thinks that 2,541 x 42 = 12,146.

A) What mistakes do you think Rosie has made?

B) What is the correct answer?

A) She forgets to carry on one of the place value columns and on one she carries 1 when she should carry 2.

Dive deeper 3

| 1 | 2 | 3 | 4 | 5 | 6 |

×

a) Using all the digit cards, create 4 different calculations and work out the answer to each.

b) Write your answers in ascending order.

c) What is the smallest product that can be made?

A) This is an example there are other options 3,456 x 12 = 41,472   3,156 x 42 = 132,468   1,246 x 35 = 43,610   4,512 x 36 = 162,432

B) Again this is only an example you can have other answers
41,472   43,610   132,468   162,432

C) 41,472 is the smallest product

DIVE DEEPER

Look at the key information in each of the question

Which is the most difficult question? Explain why.