Warm-Up Challenge

Week 7 – Home Learning

Flashback 4

- 1) 10% of a number is 40. What is the number?
- 11 12 1 10 2 9 3-8 4. 7 6 5

- 2) Work out 50% of 120?
- 3) Multiply 4.36 by 100
- 4) Work out $\frac{3}{4} + \frac{3}{5}$





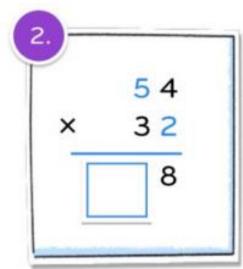
Week 7 – Home Learning

Long multiplication

Solve 54 × 32.

MM

First, multiply 4×2 . Multiply five $10s \times 2$.



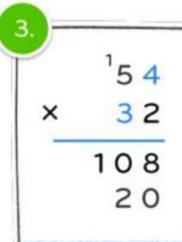
The 2 is in the 1s column.

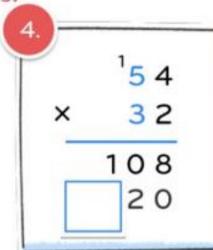
MAN

Week 7 – Home Learning

Long multiplication

Now multiply 4 × 3 tens. Multiply 5 tens × 3 tens.





The 3 is in the 10s column.



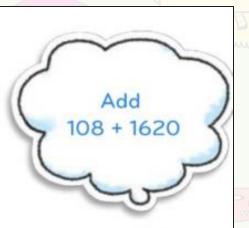
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Week 7 – Home Learning

Long multiplication

Then add the products.

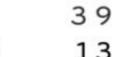
So,
$$54 \times 32 =$$





Long multiplication

Use long multiplication to solve the problem.



13 ×

Multiply 3 tens \times 3.

Multiply 3 tens × 1 ten.

Then add the products.

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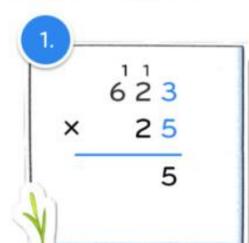
So,
$$39 \times 13 =$$

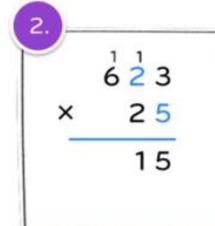
Week 7 – Home Learning

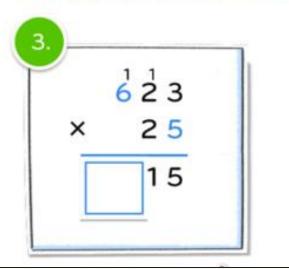
Long multiplication

Solve 623 × 25.

First, multiply 3 × 5 Multiply 2 tens × 5 Multiply 6 hundreds × 5



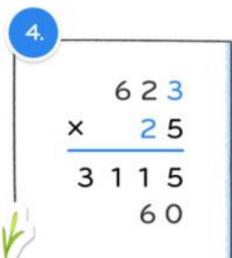




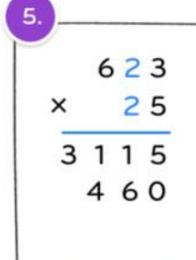
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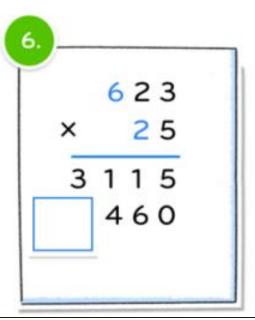
Long multiplication

Now multiply 3 × 2 tens Multiply 2 tens × 2 tens Multiply 6 hundreds × 2 tens



MAR

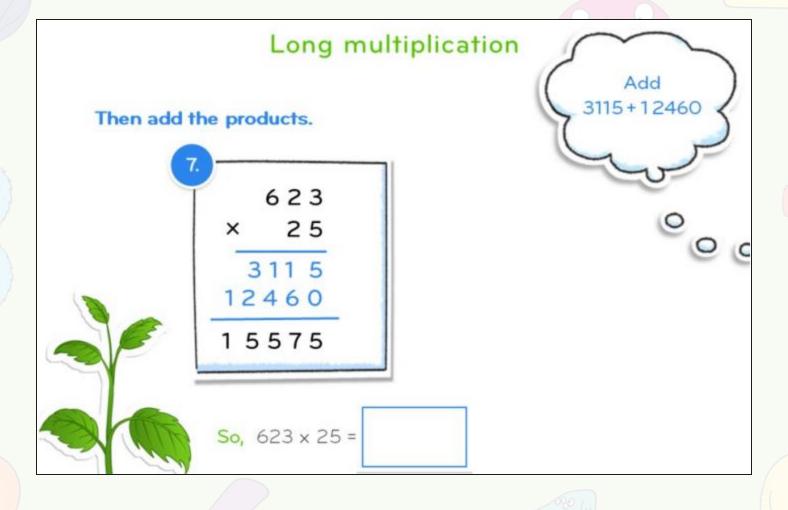






Week 7 – Home Learning

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Week 7 – Home Learning

Long multiplication

Use long multiplication to solve the problem.

231 × 24

Multiply 1 × 4

Multiply 3 tens × 4

Multiply 2 hundreds × 4

Multiply 1 × 2 tens

Multiply 3 tens × 2 tens

Multiply 2 hundreds × 2 tens

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Week 7 – Home Learning

Practice time

- Use long multiplication to solve the problems.
- a)

×

b)

×

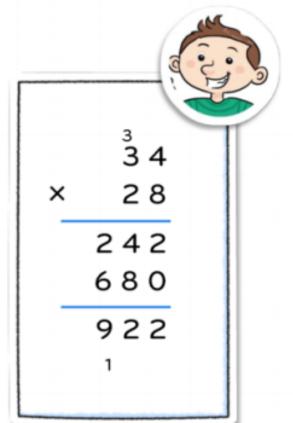
×

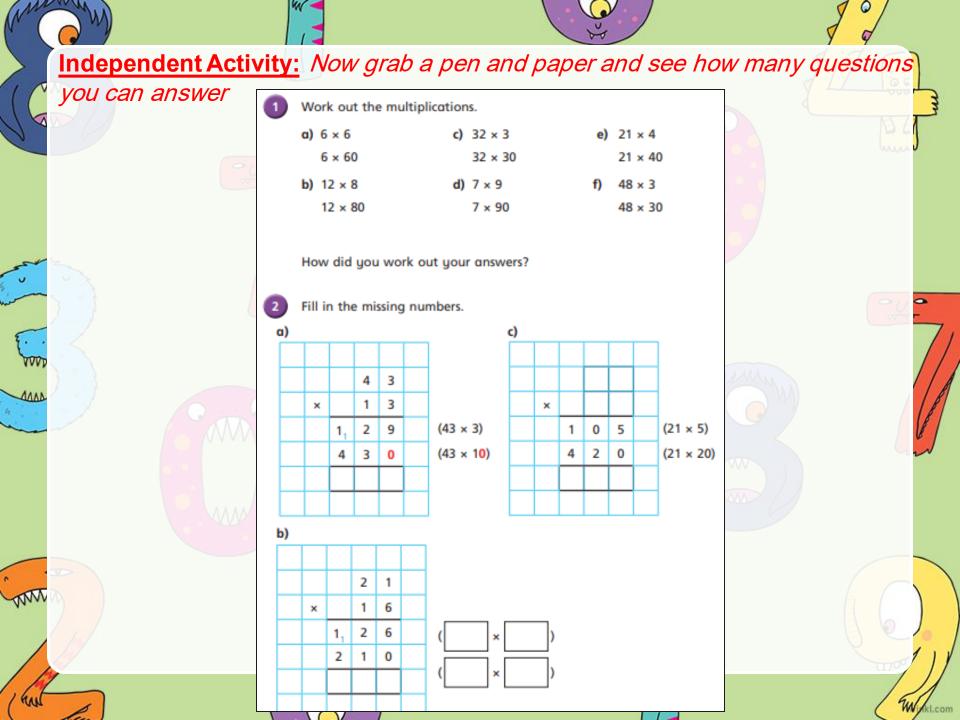
Week 7 – Home Learning

Practice time

 Tickets to a theme park cost £27. The theme park sold 243 tickets. How much money was spent on tickets altogether? Use long multiplication to solve.

3. Wesley's work is shown on the right.
What mistake has Wesley made?

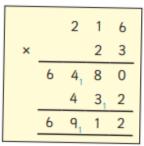




Independent Activity: Now grab a pen and paper and see how many questions

you can answer







What mistake has Brett made?
What is the correct answer?

- Work out the multiplications.
 - a) 142 x 31
- b) 337 × 46
- c) 214 × 53
- d) 24 × 183

- 5 Some children are asked to work out 308 × 19
 - a) Which is the best estimate to use to check their answers? Work out the answer to your estimate.
 - 300 × 10
- 300×20
- 310 × 20
- 300 × 19

b) Explain the reasons for your choice.



c) Here are answers given by three children.

Nijah 28,028

Filip 5,852

Whitney 2,080

From your estimate, who do you think is correct?

- d) Work out the correct answer.
- e) What mistakes might the others have made?



- A football pitch is 128 m long and 52 m wide.
 - a) What is the area of the pitch?
 - b) A field is 25,000 m².

How many football pitches could fit in it?

7 Write >, < or = to complete each statement.

a) 146 × 64 164 × 46

135 × 53 () 153 × 35

- b) What do you notice?
 Does this always happen?
- Miss Rose is ordering some pencils.

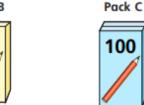
 She orders 17 of pack A, 14 of pack B and 4 of pack C.

Pack A



Pack B

20



How many pencils does Miss Rose order?

Each pencil costs 16p.

How much does Miss Rose spend on pencils?



