

Monday: Efficient Multiplication

Print the Monday Maths worksheet off.

First run through the below video. Show your working out as you go and make sure you take each step slowly to support your understanding.

<https://vimeo.com/492101020>

As you go through the video, I would like you to answer the questions from the sheet. Now it is important you do the questions you can do. It is not essential that you complete all the worksheet. If you only get the first two sections done then that is more than fine.

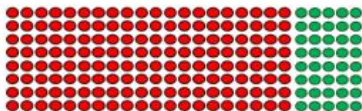
Extension Activities:

Mild Ext:

Class 4 are calculating 25×8 mentally.

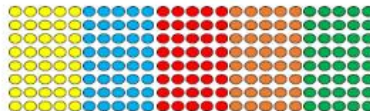
Method 1

$$25 \times 8 = 20 \times 8 + 5 \times 8$$
$$= 160 + \square = \square$$



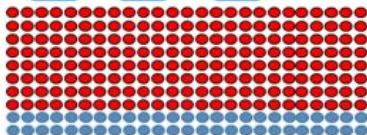
Method 2

$$25 \times 8 = 5 \times 5 \times 8$$
$$= 5 \times \square = \square$$



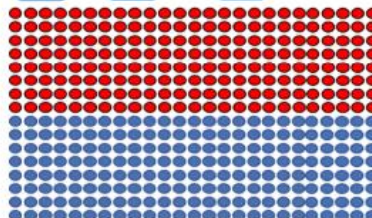
Method 3

$$25 \times 8 = 25 \times 10 - 25 \times 2$$
$$= \square - \square = \square$$



Method 4

$$25 \times 8 = 50 \times 8 \div 2$$
$$= \square \div \square = \square$$

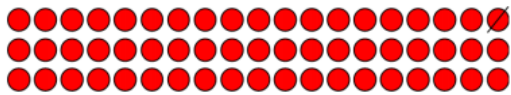


Can you complete the calculations in each of the methods?

Can you think of any other ways to mentally calculate 25×8 ?
Which do you think is the most efficient? How would you calculate 228×5 mentally?

Spicy:

Teddy has calculated 19×3



$$20 \times 3 = 60$$

$$60 - 1 = 59$$

$$19 \times 3 = 59$$

Can you explain his mistake and correct the diagram?

Hot:

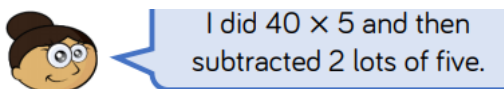
Here are three number cards.



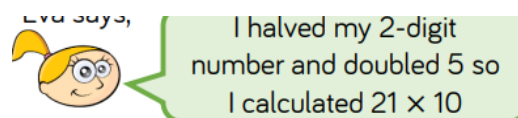
Maisie, Jess and Molly choose one of the number cards each.

They multiply their number by 5

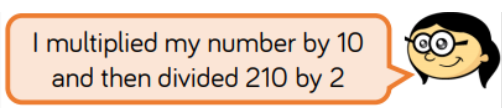
Maisie says,



Molly says,



Jess says,









Which number card did each child have?

Would you have used a different method to multiply the numbers by 5?

Tuesday - Written Methods: Zoom Lesson Please complete this after our year 4 zoom call.

Mild - Dora uses dienes to work out 34×3 .

Tens	Ones
	
	
	

Draw dienes to work out 3×28 and 3×36

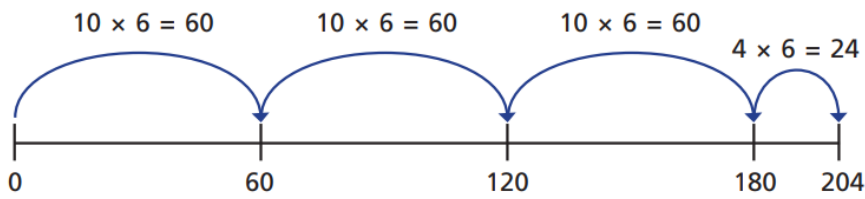
1. $3 \times 28 =$

Tens	Ones

2. $3 \times 36 =$

Tens	Ones

3. Class 4 are using number lines to solve 6×34



a) Use a number line to complete the multiplications.

$5 \times 32 =$



b) $7 \times 32 =$



Spicy:

1. Use a number line to complete the multiplications.

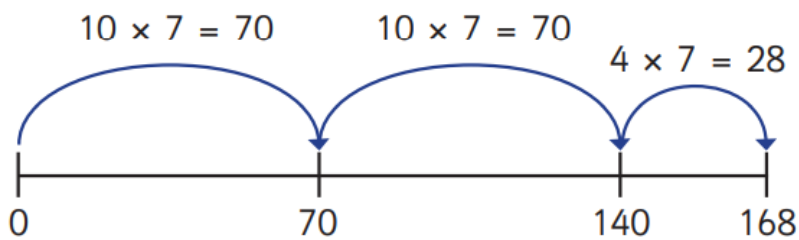
a) $6 \times 56 =$



b) $9 \times 71 =$



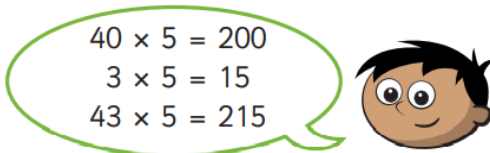
2. Mo uses a number line to work out 7×34



What mistake has Mo made?

What should the number line look like? Draw it here.

2. Amir is working out 43×5



Use Amir's method to complete the following multiplications.

$$32 \times 6 =$$

$$8 \times 42 =$$

$$7 \times 31 =$$

Hot:

1. A farmer is calculating the number of sheep on her farm.

She has 6 fields.

Each field has 35 sheep.

Use a written method to work out how many shaeep there are altogether.

2. Here are 6 multiplications.

4×59	3×33	5×36	9×32	7×21	6×25
A	B	C	D	E	F

Which of the multiplications would you calculate mentally?

Which of the multiplications would you use a written method for?
Why?

3. Complete the multiplications. Show your working out.

a) $4 \times 59 =$

b) $9 \times 32 =$

c) $5 \times 36 =$

d) $9 \times 32 =$

e) $7 \times 21 =$

f) $6 \times 25 =$

Wednesday - Grid Method - Expanded Form

Step 1 - Watch the below video

<https://www.youtube.com/watch?v=6XdZ4aOn8ok>

Using what you have just learnt can you solve these multiplications.

$56 \times 4 =$

$67 \times 3 =$

$123 \times 6 =$

Could you please send in your examples with today's work so I can see how you have got on please.

Print the Wednesday Maths worksheet off.

First run through the below video. Show your working out as you go and make sure you take each step slowly to support your understanding.

<https://vimeo.com/492101238>

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Thursday - Multiplying 2 digits by 1 digit: Zoom Lesson Please complete this after our year 4 zoom call.

Fluency

1. $42 \times 3 = 42$

$\times 3$

.....

4. $37 \times 9 = 37$

$\times 9$

.....

7. $34 \times 5 =$

8. $54 \times 8 =$

2. $28 \times 6 = 28$

$\times 6$

.....

5. $51 \times 5 =$

$\times 5$

.....

9. $83 \times 9 =$

10. $9 \times 61 =$

3. $79 \times 4 = 79$

$\times 4$

.....

6. $49 \times 9 =$

\times ...

.....

11. $8 \times 88 =$

12. $23 \times 7 =$

Problem Solving

1. Adam saves £37 every week. How much has he saved after 7 weeks?

.....

2. Mike runs 6km everyday for a fortnight. How far has he run in total?

.....

3. A supermarket has 8 boxes of apples. Each box has 74 apples in it. If 62 people go to the supermarket to buy 9 apples each will the supermarket have enough apples?

.....

Reasoning EXT -

Spicy EXT -

Here are three incorrect multiplications

	T	O
	6	1
\times		5
	3	5

	T	O
	7	4
×		7
4	9	8

	T	O
	2	6
x		4
8	2	4

Correct the multiplications.

Hot EXT -

Always, Sometimes, Never

- When multiplying a two digit number by a one digit number, the product has 3 digits.
- When multiplying a two digit number by 8 the product is odd.
- When multiplying a two digit number by 7 you need to exchange.

Friday - Multiplying 3 digits by 1.

Print the Friday Maths worksheet off.

First run through the below video. Show your working out as you go and make sure you take each step slowly to support your understanding.

<https://vimeo.com/492456871>

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Hot EXT -

Teddy and his mum were having a reading competition. In one month, Teddy read 814 pages His mum read 4 times as many pages as Teddy. How many pages did they read altogether?

How many fewer pages did Teddy read?

Use the bar model to help.

