# Week 7, Day 2 Multiply multiples of 10 and 100 (2)

Each day covers one maths topic. It should take you about 1 hour or just a little more.

- Start by reading through the Learning Reminders. They come from our *PowerPoint* slides. 2 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 Sketch a line from 2.3 to 2.4. Write a number that goes between 2.3 and 2.4.
- Tackle the questions on the Practice Sheet. 2. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.

3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

Think you've cracked it? Whizzed through the Practice Sheets? 4. Have a go at the Investigation...

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## **Learning Reminders**



## **Learning Reminders**



00TZ = 00E × Z	4 × 800 = 3200
2 × 30 = 510	4 × 80 = 320
7 x 3 = 21	4 × 8 = 35
	Answers

## **Learning Reminders**



# Practice Sheet Mild Multiplication by 10s and 100s

Choose a box on the grid. Complete the multiplication and write it and the answer in your book. Try to complete the whole grid!

5 x 30	6 x 20	5 x 40	2 x 80
1 x 160	2 x 60	5 x 20	3 x 50
3 x 40	4 x 30	12 x 10	1 x 120
2 x 70	10 x 12	4 x 50	9 x 10

Did you find any particularly easy?

Challenge Colour the multiplications with an answer of 120. What pattern do these make? Write four multiplications that all have the answer 200.

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# Practice Sheet Hot Multiplication by 10s and 100s

Choose a number on the grid.

Write a multiplication with that number as the answer. If you are happy it is correct, colour that number on the grid. Repeat this four times so that you have shaded a cross of coloured squares on the grid.

	1200	540	
210	2100	280	2800
360	3600	560	4800
	2500	420	

Challenge

The number 600 is the answer to 12 different multiplications! Can you find them all?

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5 x 30 =	6 x 20 =	5 x 40 =	2 x 80 =
150	120	200	160
1 x 160 =	2 x 60 =	5 x 20 =	3 x 50 =
160	120	100	150
3 x 40 =	4 x 30 =	12 x 10 =	1 x 120 =
120	120	120	120
2 x 70 =	10 x 12 =	4 x 50 =	9 x 10 =
140	120	200	90

#### Multiplication by 10s and 100s (mild)

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The multiplications with an answer of		
120 make a cross in the grid.		
Answers could include 4 of the following		
20 x 10 = 200	2 x 100 = 200	
40 x 5 = 200	50 x 4 = 200	
200 x 1 = 200	8 x 25 = 200	

#### Multiplication by 10s and 100s (hot)

Accept answers similar to:

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	3 x 400 = 1200	6 x 90 = 540	
7 x 30 = 210	7 x 300 = 2100	4 x 70 = 280	4 x 700 = 2800
6 x 60 = 360	6 x 600 = 3600	7 x 80 = 560	8 x 600 = 4800
	5 x 500 = 2500	7 x 60 = 420	

#### Challenge

600 = 1 x 600, 2 x 200, 4 x 150, 5 x 120, 6 x 100, 8 x 75, 10 x 60, 12 x 50, 15 x 40, 20 x 30, 24 x 25 Do not expect children to find all of these in

Year 4.

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### S-t-r-e-t-c-h:

Draw your own ladder with a number in the 30 times table at the top. Ask your partner to work out what number belongs on the bottom rung. Swap roles and repeat.

#### Learning outcomes:

• I can count in steps of multiples of 10.

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What other triangles could you draw with 400 on the right?

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**C**.

Think of your own number to go at the top. It must be a 4-digit multiple of 100, e.g. 1600, 4200, 3500, etc.

Draw as many number triangles as you can for your number.

Now think of a new number to go at the top. Can you think of a number which means you can draw more triangles?

### Your challenge is to draw 12 different triangles for one number!

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