

Fluency Fifteen - Mastery - Session 2

1. $79 \times 7 = 553$
2. $1067 - 100 = 967$
3. $7.1 + 0.2 = 7.3$
4. $21 \times 7 = 147$
5. $2687 + 698 = 3385$
6. $12 \times 11 = 132$
7. $596 + 7 = 603$
8. $7/9 - 2/9 = 5/9$
9. $232 \times 0 = 0$
10. $0.2 + 0.04 = 0.24$
11. $5^2 + 2^2 = 29$
12. $2.127 \times 1000 = 2127.0$
13. $8825 + 7061 = 15886$
14. $1/6 + 5/6 = 6/6$
15. $8 \times 800 = 6400$

$$\begin{array}{r} \times 79 \\ \times 7 \\ \hline 553 \\ \hline 6 \end{array}$$

$$\begin{array}{r} - 1067 \\ - 100 \\ \hline 967 \end{array}$$

$$\begin{array}{r} \times 21 \\ \times 7 \\ \hline 147 \end{array}$$

$$\begin{array}{r} 2687 \\ + 698 \\ \hline 3385 \\ \hline 111 \end{array}$$

$$\begin{array}{r} 8825 \\ + 7061 \\ \hline 15886 \end{array}$$

$$\begin{array}{r} 596 \\ + 007 \\ \hline 603 \\ \hline 11 \end{array}$$

Multiply 4-digits by 2-digits



1 Complete the multiplication.

			1	2	3	4			
	x						2	1	
			0	1	2	3	4		
			2	4	6	8	0		
			2	5	9	1	4		
								1	

(1,234 ×)
(1,234 ×)

2 Tommy is calculating $1,234 \times 26$

a) Complete his working out.

			1	2	3	4			
	x						2	6	
			0	7	4	0	4		
			2	4	6	8	0		
			3	2	0	8	4		
								1	1

(×)
(×)

b) Fill in the grid to check Tommy's working is accurate. You may use place value counters to help.

x	1,000	200	30	4
20	20000	2000	600	80
6	6000	1200	1800	24

3 Rosie is calculating $2,541 \times 42$
Here is Rosie's working.

				2	5	4	1		
	x					4	2		
				4	0	8	2		(2,541 × 2)
				8	0	6	4		(2,541 × 40)
				1	2	1	4	6	

a) Rosie has made two mistakes. What are they?

- She didn't put a zero.
- She didn't put carry a 2. add her carry numbers.

b) What is the correct answer?

				2	5	4	1		
	x					4	2		
				0	0	5	0	8	2
				1	0	1	6	4	0
				1	0	6	7	2	2
									1

4 Work out the multiplications.

a) $4,284 \times 23$

b) $2,142 \times 46$

What do you notice?

All the answers are the same.

- 5 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?

Handwritten calculations for problem 5:

$$\begin{array}{r} 2734 \\ \times 3 \\ \hline 8202 \end{array}$$

$$12 \times 3 = 36$$

$$\begin{array}{r} 8202 \\ \times 36 \\ \hline 009212 \\ 246100 \\ \hline 255312 \end{array}$$

Final answer: 255312

b) Compare methods with a partner. Were there any other ways you could have worked out the answer?

- 6 Work out $378 \times 7 \times 12$
Show your method clearly.

Handwritten calculations for problem 6:

$$7 \times 12 = 84$$

$$\begin{array}{r} 378 \\ \times 84 \\ \hline 005128 \\ 30250 \\ \hline 30762 \end{array}$$

Final answer: 30762

- 7 1 2 3 4 5 6

Digit cards:

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

Handwritten calculations for problem 7a:

$$\begin{array}{r} 2346 \\ \times 15 \\ \hline 01730 \\ 23470 \\ \hline 25200 \end{array}$$

$$\begin{array}{r} 6354 \\ \times 21 \\ \hline 006354 \\ 127080 \\ \hline 133434 \end{array}$$

$$\begin{array}{r} 1246 \\ \times 53 \\ \hline 03738 \\ 62300 \\ \hline 66038 \end{array}$$

$$\begin{array}{r} 1456 \\ \times 23 \\ \hline 04368 \\ 29120 \\ \hline 33488 \end{array}$$

- b) Write your answers in ascending order.
25200, 33488, 66038, 133434

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

- 8 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? Amir

Handwritten calculations for problem 8:

$$\begin{array}{r} 4680 \\ \times 12 \\ \hline 09360 \\ 46800 \\ \hline 56160 \end{array}$$

$$\begin{array}{r} 2512 \\ \times 24 \\ \hline 009048 \\ 50240 \\ \hline 59904 \end{array}$$

How many more? 5962

Goal Free Problem - Year 5 - Mastery

Ally and Jack buy some stickers.



Pack of 12 stickers
£10.49



12 stickers
99p each

$$\begin{array}{r}
 12 \times 2 = 24 \\
 \text{£}10.49 \\
 + 00.99 \\
 \hline
 11.48 \\
 \hline
 11
 \end{array}$$

There are 24 stickers all together
The prices of all the stickers are £11.48



Spelling Shed

Stage: 5

Ending '-cial' and '-tial.' After a vowel '-cial' is most common and '-itial' after a consonant. But there are many exceptions.

List: 5

Name:

Spellings

financial ✓

commercial

provincial

initial

spatial

palatial

controversial

initially

controversially

financially

Cover your spellings up. Can you add in the missing letters from each word?

s_p_a_t_i_a_l

i_n_i_t_i_a_l_l_y

c_o_n_t_r_o_v_e_r_s_i_a_l_l_y

f_o_m_m_e_r_c_i_a_l

c_o_n_t_r_o_v_e_r_s_i_a_l

i_n_i_t_i_a_l

f_i_n_a_n_c_i_a_l

f_i_n_a_n_c_i_a_l_l_y

p_r_o_v_i_n_c_i_a_l

p_a_l_a_t_i_a_l

Retrieve

Retrieve and record information / Identify key details from fiction and non-fiction

Can accurately retrieve record and present information from a range of texts some of the time.

Find the answers in the text.



Retrieve

1. In what county did the Battle of Hastings take place? *Sussex*

2. Who were the three men that laid claim to the throne?



Interpret

3. What was Harold Godwinson's previous title?

4. Where did the Normans land in England?





Choice

5. How many soldiers did William have in his army?

6. What did Harold use to protect his army from the Normans flying arrows?

1. *Sussex London Hastings*
2. *William of Normandy, Harold Godwinson, Harald Hardrada*
3. *Earl of Wessex*
4. *London*
5. *15000*
6. *The shield wall*

LO: To make notes and plan about The Battle of Hastings.

<u>The Anglo Saxons</u>			<u>The Normans</u>		
Soldiers (Who were they? What weapons did they have?)					
<p><u>Weapons</u></p> <ul style="list-style-type: none"> • Swords • Spears • Arrows • Axes • Axes 	<p><u>Armour</u></p> <ul style="list-style-type: none"> • helmets • shields - made of wood. 	<p><u>Who are they?</u></p> <p>They are from england.</p>	<p><u>Weapons</u></p> <ul style="list-style-type: none"> • Swords • Spears • Arrows • they also used horses 	<p><u>Armour</u></p> <ul style="list-style-type: none"> • haubert • coif • helmets 	<p><u>who are they?</u></p> <p>The normans were from Norway</p>
Tactics (What tactics did they start off with? What formations? How did their tactics change?)					
<ul style="list-style-type: none"> • Harold had positioned himself and army on high ground. 			<ul style="list-style-type: none"> • Knights on a horse were trained at the age of 3. • Harold had to run to fight off Harold Hadrada whilst William fought through very small defences and didn't have to fight as much. 		
The battle (Describe the battle in detail. How did their tactics work?)					
<ul style="list-style-type: none"> • Harold lacked men and they were all tired from having to fight somewhere else so he had a disadvantage to winning the battle. 			<p>William had more men, so there was more chance of him winning.</p>		
The Outcome (Who won? Why? How did certain people die? What were the results of this battle?)					
<ul style="list-style-type: none"> • William won. • The year was 1066 • Harold was killed with an arrow in his eye. 					

Quentin Blake style drawing



The BFG



Emma

My own character