Which witch is which?

It's All Hallow's Eve and all the witches in West Wickham have flown to Wykely Hall for a weird weekend of witchcraft and spa pampering. Unfortunately a local reporter has gone undercover to get the inside story on these Wiccan goings on. Grand High Witch Wanda has four suspects – help her discover the fraudulent writer.

Suspects

The reporter is pretty hopeless with the correct order of operations

Name	Calculation	True/False
Delia Dragonsbreath	$5×(2+7)=45$	
Sarah Spiderworth	$5×2+7=17$	
Rhonda Redwand	$3×2^2=36$	
Frida Frogsbane	$(3×2)^2=36$	

Familiar

Each Witch has an animal familiar with them. Who did the reporter bring? Tick the correct answer to spell out the name.

Answer	Circle if correct	Question	Circle if correct	Answer
2,3	K	Prime factors of 24	J	2,3,4,6,8,12
2,3,5,6,10,15,30	E	Factors of 30	A	1,2,3,5,6,10,15,30
2,3,9	N	Prime factors of 18	T	2,3
1,3,7,21	O	Factors of 21	Y	3,7

Spa Treatment

The false witch was finally discovered when she ran out of the spa screaming. Which treatment grossed her out? Add up the digits of your answer (Eg 7×6=42, digits add to 6). Find the odd one out

Treatment	Calculation	Answer	Sum of digits
Frogspawn Facial	135×21		
Mollusc Manicure	121×9		
Zombie Zumba	601×14		
Pumpkin Pedicure	63×15		

Solution

Name	
Familiar	
Scary Spa Treatment	

Which witch is which? (SOLUTION)

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Sarah Spiderworth	$5×2+7=17$	T
Rhonda Redwand	$3×2^2=36$	F
Frida Frogsbane	$(3×2)^2=36$	T

Familiar

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2,3	K	Prime factors of 24		2,3,4,6,8,12
2,3,5,6,10,15,30		Factors of 30	A	1,2,3,5,6,10,15,30
2,3,9		Prime factors of 18	T	2,3
1,3,7,21	O	Factors of 21		3,7

Spa Treatment

The false witch was finally discovered when she ran out of the spa screaming. Which treatment grossed her out? Add up the digits of your answer (Eg 7×6=42, digits add to 6). Find the odd one out

Treatment	Calculation	Answer	Sum of digits
Frogspawn Facial	135×21	2835	18
Mollusc Manicure	121×9	1089	18
Zombie Zumba	601×14	8414	17
Pumpkin Pedicure	63×15	945	18

Solution

Reporter: Rhonda Redwand

Familiar: Kato

Scary Spa Treatment: Zombie Zumba