Use Factor Pairs

1. Circle the person who has used the correct factor pair to solve the calculation below.

17 x 9

Jack

17 x 9 = 17 x 5 x 4
17 x 5 = 85
85 x 4 = 340

Ruby

17 x 9 = 17 x 3 x 3
17 x 3 = 51
51 x 3 = 153

VF

2. Fearne has the digit cards below. She wants to find the factor pairs she needs to solve her calculation.

8 x 20

1	2	3	4	5	6	7	8	9	0

Find the factor pairs she can create and solve her calculation. You can use the cards to make 2-digit numbers.

VF

3. Giuseppe has the calculation below. He has given Pearl the factor pair and has asked her to solve it.

15 x 8 = 15 x 2 x 4

I can only solve it by working out 15 x 2 x 4 as this is the way the calculation is written. 15 x 2 = 30. 30 x 4 = 120.

Do you agree? Explain your reasoning.

R

Use Factor Pairs

1. Ruby
2. 8 x 20 = 8 x 5 x 4; 8 x 5 = 40; 40 x 4 =160; 8 x 20 = 8 x 10 x 2; 8 x 10 = 80; 80 x 2 = 160
3. No, I disagree because multiplication is commutative therefore, it can be done in any order. 15 x 2 x 4 = 15 x 4 x 2. 15 x 4 = 60 x 2 = 120