Homework/Extension Step 4: Number Sequences

National Curriculum Objectives:

Mathematics Year 5: (5F2a) <u>Recognise mixed numbers and improper fractions and</u> <u>convert from one form to the other and write mathematical statements > 1 as a mixed</u> <u>number [for example, 2/5 + 4/5 = 6/5 = 1 1/5]</u> Mathematics Year 5: (5F3) <u>Compare and order fractions whose denominators are all</u> multiples of the same number

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Identify the odd one out. Questions to support counting forwards in mixed numbers and fractions with the same denominators.

Expected Identify the odd one out. Questions to support sequencing mixed numbers and fractions using knowledge of equivalence.

Greater Depth Identify the odd one out. Questions to support sequencing mixed numbers and improper fractions using knowledge of equivalence.

Questions 2, 5 and 8 (Varied Fluency)

Developing Identity the correct statement. Questions to support counting forwards in mixed numbers and fractions with the same denominators.

Expected Identity the correct statement. Questions to support sequencing mixed numbers and fractions using knowledge of equivalence.

Greater Depth Identity the correct statement. Questions to support sequencing mixed numbers and improper fractions using knowledge of equivalence.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Find the fraction sequence through the maze. Questions to support counting forwards in mixed numbers and fractions with the same denominators.

Expected Find the fraction sequence through the maze. Questions to support sequencing mixed numbers and fractions using knowledge of equivalence.

Greater Depth Find the fraction sequence through the maze. Questions to support sequencing mixed numbers and improper fractions using knowledge of equivalence.

More <u>Year 5 Fractions</u> resources.

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Homework/Extension – Number Sequences – Year 5 Expected

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Developing

- 1. B
- 2. Nadia is correct.

-								
3. Start	5 <u>6</u> 8	5 7 8	6	6 <u>3</u> 8				
5 8	5 <u>-</u> 5 8	5 <u>6</u> 8	6 <u>1</u> 8	6 <u>2</u> 8				
	$5\frac{4}{8}$	6 <u>4</u> 8	6 <u>2</u> 8	6 <u>1</u> 8				
	6 <u>7</u> 8	7	6 <u>3</u> 8	6 <u>4</u>	Finish			

Expected

4. A 5. They are both correct

6. Start	3 6 7	$4\frac{4}{14}$	$4\frac{1}{7}$	5 <u>10</u> 14					
5 ₇	4 <u>2</u> 14	4 <u>3</u> 7	4 <u>12</u> 14	5 7 7					
	4 <u>8</u> 14	4 <u>5</u> 7	$5\frac{1}{7}$	5 <u>12</u> [Finish				
	5 <u>4</u> 7	5	5 <u>4</u> 14	5 <u>4</u> 7					

Greater Depth

7. C is the odd one out because the numerators increase by 5 whereas A and B increase by 4.

8. Mary is correct.







Homework/Extension – Number Sequences ANSWERS