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| <p>1. Start with 2, use the rule 'multiply the previous number by 3 and subtract 3' to find the next 5 numbers.</p> | <p>2. Start with 5, use the rule 'add 4 to the previous number and then multiply by 2' to find the next 4 numbers.</p> |
| <p>3. Describe the rule which produces the number sequence, 1, 2, 4, 8, 16, Write down the next 3 numbers.</p> | <p>4. Describe the rule which produces the number sequence, 1, 2, 3, 5, 8, 13, Write down the next 3 numbers.</p> |
| <p>5. Describe the rule which produces the number sequence, 3, 1, $\frac{1}{3}$, $\frac{1}{9}$, Write down the next 3 numbers.</p> | <p>6. Describe the rule which produces the number sequence, 0.5, 1.5, 4.5, 13.5, 40.5, Write down the next 3 numbers.</p> |
| <p>7. Write down the tenth term of the sequence 4, 9, 16, 25, 36, ...</p> | <p>8. Write down the first five multiples of 13.</p> |
| <p>9. The result is 72 when two whole numbers greater than one are multiplied. Write down the five possibilities.</p> | <p>10. Write down the first five <i>odd</i> prime numbers.</p> |
| <p>11. Complete the number sentence $32 = __ \times (__ + __)$ in three different ways using whole numbers greater than 1.</p> | <p>12. Write a number sentence with two operations and the fraction $\frac{3}{4}$.</p> |
| <p>13. Think of a number. Multiply it by 7 and subtract 3, the result is 25. What is the number?</p> | <p>Numerical, algebraic and worded answers.</p> <ol style="list-style-type: none"> 1. 3, 6, 15, 42, 123 2. 18, 44, 96, 200 3. Multiply the previous number by 2. 32, 64, 128 4. Add up the previous two numbers. 21, 34, 55 5. $\frac{1}{3}$ of the previous number. $\frac{1}{27}$, $\frac{1}{81}$, $\frac{1}{243}$ 6. 3 times the previous number. 121.5, 364.5, 1093.5 7. 121 8. 26, 39, 52, 65, 78 9. 2×36, 3×24, 4×18, 6×12, 8×9 10. 3, 5, 7, 11, 13 11. $32 = 4 \times (3+5)$, $32 = 8 \times (1+3)$ and more ways 12. $1 + 3/4 - 1/2 = 5/4$ 13. 4 |