**Division by sharing – Comparison problems**

**EXAMPLE:**

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**Worksheet**

**Using the same reasoning as above, solve these problems:**

**1.** Arjun’s grandfather gives £28 to Arjun and his little brother. Arjun receives 3 times as much money as his little brother. How much money does Arjun get?

**2**. Arjun’s grandfather give £12 to Arjun and his little brother. Arjun receives 2 times as much money as his little brother. How much money does Arjun get?

**3**. At the school fair Mrs. Smith sells 4 times as much lemonade as her husband. Altogether they sell 20 litres of lemonade. How much more lemonade does Mrs. Smith sell than her husband?

**Challenge:**

Write 2 word problems using this model:



**Worksheet - Answers**

**Using the same reasoning as above, solve these problems:**

**1.** Arjun’s grandfather gives £28 to Arjun and his little brother. Arjun receives 3 times as much money as his little brother. How much money does Arjun get?

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| --- | --- | --- |
|  |  |  |

Arjun

|  |
| --- |
|  |

His brother

3+1=4

28:4=£7 (His little brother)

7x3= £21 (Arjun)

**2**. Arjun’s grandfather give £12 to Arjun and his little brother. Arjun receives 2 times as much money as his little brother. How much money does Arjun get?

|  |  |
| --- | --- |
|  |  |

Arjun

|  |
| --- |
|  |

His brother

2+1=3

£12:3=£4 (his brother)

£4 x 2= £8 (Arjun)

**3**. At the school fair Mrs. Smith sells 4 times as much lemonade as her husband. Altogether they sell 20 litres of lemonade. How much more lemonade does Mrs. Smith sell than her husband?

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| --- | --- | --- | --- |
|  |  |  |  |

Mrs. Smith

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| --- |
|  |

Mr. Smith

4+1=5

20 : 5 = 4 l (sells Mrs. Smith)

4x4= 16 l (sells Mrs. Smith)

16-4= 12 l (more sells Mrs. Smith than Mr. Smith)