**Simplifying Fractions Homework**

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| **Literacy****1) Write a fraction and label the numerator and denominator.****2) Give an example of:****i) an improper fraction****ii) a mixed number****iii) a unit fraction** | **Research*****Can you find where the word ‘fraction’ comes from and what it means? Write your findings below.*** | **Memory****÷2**$\frac{6}{10}$$\frac{3}{5}$**÷2**TIP – Try to find the **highest** factor of both the numerator and denominator to save yourself a step! |
| **Skills: Simplify fully****1)** $\frac{2}{6}$ **=****2)** $\frac{4}{20}$ **=****3)** $\frac{44}{121}$ **=****4)** $\frac{6}{18}$ **=****5)** $\frac{9}{3}$ **=** | **Stretch** **2) Which is bigger,** $\frac{16}{48}$ **or** $\frac{6}{36}$**? *(Show your working!)*****1) Explain below how you know you have simplified fully.** |

**Simplifying Fractions Answers**

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| **Literacy****1) Write a fraction and label the numerator and denominator.****Numerator ->****Denominator ->**$\frac{1}{2} $**2) Give an example of:****i) an improper fraction**$\frac{3}{2}$**ii) a mixed number**$$1\frac{1}{2}$$**iii) a unit fraction**$\frac{1}{2}$ | **Research*****Can you find where the word ‘fraction’ comes from and what it means? Write you findings below.*****Middle English from the Latin word ‘frangere’ (to break) via Old French ‘fractio’ (to break bread)** | **Memory****÷3**$\frac{6}{10}$$\frac{3}{5}$**÷3**TIP – Try to find the **highest** factor of both the numerator and denominator to save yourself a step! |
| **Skills: Simplify fully****1)** $\frac{2}{6}$ **=** $\frac{1}{3}$**2)** $\frac{4}{20}$ **=** $\frac{1}{5}$**3)** $\frac{44}{121}$ **=** $\frac{4}{11}$**4)** $\frac{6}{18}$ **=** $\frac{1}{3}$**5)** $\frac{9}{3}$ **= 3** | **Stretch** $\frac{16}{48}$ **=** $\frac{2}{6} \frac{6}{36}$ **=** $\frac{1}{6}$$\frac{2}{6}$ **is greater than** $\frac{1}{6}$**, therefore** $\frac{16}{48}$ **is bigger.****2) Which is bigger,** $\frac{16}{48}$ **or** $\frac{6}{36}$**? *(Show your working!)*****1) Explain below how you know you have simplified fully.****The numerator and denominator don’t share any factors other than 1 when a fraction has been simplified fully.** |