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| **OLI– To be able to simplify fractions- worded problems**  **Practice**   1. Cancel these fractions to their simplest form by looking for highest common factors: a) 9/15, b) 12/18, c) 42/56   **Apply**   1. Show me a fraction that can be reduced to 2/3 in its simplest form. 2. What is wrong with this statement – ‘2/3 in its simplest form is 1/1.5’ 3. ‘Tocancel a fraction you halve the numerator and denominator until you can’t do it anymore.’- **is this statement always/sometimes or never true? Prove it with examples.** 4. Convince me that 42/56 in its simplest form is 3/4. 5. Write 18/24 in its simplest form .How do you know this is the simplest form? 6. Write 24/32 in its simplest form. How did you use highest common factors to do this? |  |

Answers

1. 9/15 = 3/5 12/18 = 2/3 42/56 = 6/8

2. 4/6 or 6/9 or 8/12 or 20/30 etc many answers possible here!

3. A fraction cannot have a decimal numerator as it is already part of a whole one

4. INVESTIGATE and show proof for whatever conclusion you make!

5. Divide both parts by 14

6. divide both parts by HCF which would be 6 so answer would be 3/4

7. Divide both parts by HCF which would be 8 so answer would be 3/4