*Use this sheet **WHEN** you've completed the main worksheet and want a challenge. Remember to use your blue book if you have it to show your workings. The questions were resourced from White Rose Maths and Twinkl Diving into Mastery.*

1.

Explore these equivalent fraction number sequences. Predict what comes next and explain the pattern.

a) $\frac{1}{4} = \frac{2}{8} = \frac{4}{16} =$ _____

b) $\frac{1}{5} = \frac{10}{50} = \frac{100}{500} =$ _____

c) $\frac{1}{2} = \frac{2}{4} = \frac{6}{12} = \frac{24}{48} =$ _____

2.

Tommy is finding equivalent fractions.

$$\frac{3}{4} = \frac{5}{6} = \frac{7}{8} = \frac{9}{10}$$

He says,

> I did the same thing to the numerator and the denominator so my fractions are equivalent.

Do you agree with Tommy?
Explain your answer.

3.

) The children have been using multiplication to calculate equivalent fractions for $\frac{1}{6}$. Check their work. Correct and explain their mistakes.

Child	Equivalent Fraction	✓ or X	Explanation
Selma $\frac{1}{12} = \frac{1}{6}$	$\frac{1}{12}$		
Logan $\frac{3}{12} = \frac{1}{6}$	$\frac{3}{12}$		
Beth $\frac{4}{24} = \frac{1}{6}$	$\frac{4}{24}$		

When you've finished – check your answers on the answer sheet.