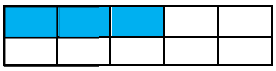
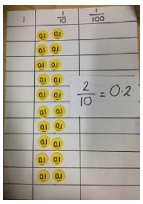
Term by Term Objectives

Year 4

	National Curriculum Statement	All students		
		Fluency	**Reasoning**	**Problem Solving**
Decimals	Recognise and write decimal equivalents of any number of tenths or hundredths.	• Complete the table: **Fraction** / **Decimal** $\frac{6}{10}$ / / 0.2 $\frac{37}{100}$ / / 0.68 • Match the fraction to the correct decimal. $\frac{6}{10}$, $\frac{6}{100}$, $\frac{53}{100}$ — 6.1, 0.06, 0.6, 0.53, 5.3 • What fraction has been made in the ten frame? What decimal has been made? 	• Give the children 2 ones in place value counters.  Explain that we are going to try and divide them by 10. Show we need to exchange our 2 ones for 20 tenths. Now when we share between 10 groups we have 0.2. This proves that $\frac{2}{10} = 0.2$. Can the children use this to prove that $\frac{5}{10} = 0.5$ • Helen, Adam and Sam are talking about which fractions are equivalent to 0.4. Who is correct? Justify your answer. Adam: '$\frac{4}{10}$ is equivalent to 0.4' Helen: '$\frac{40}{100}$ is equivalent to 0.4' Sam: '$\frac{1}{4}$ is equivalent to 0.4'	• Use the five digit cards to complete the statement below. 0 0 1 6 6 $\frac{\square}{\square\square} = \square \cdot \square$ • Fill in the missing numbers below so the fractions and decimals are equivalent in each row of the table. One has been done for you. **Fraction** / **Decimal** $\frac{35}{100}$ / 0.35 $\frac{\_4}{100}$ / 0.2_ $\frac{\quad}{10}$ / _. 4 $\frac{50}{\quad}$ / 0. _

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Term by Term Objectives

Year 4

	National Curriculum Statement	All students		
		Fluency	**Reasoning**	**Problem Solving**
Decimals	Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$	• Fill in the table: Fraction | Decimal $\frac{1}{2}$ | $\frac{1}{4}$ | $\frac{3}{4}$ | • Match the fraction to the correct decimal. $\frac{3}{4}$ $\frac{1}{2}$ $\frac{1}{4}$ 0.34 0.3 0.75 0.5 0.4 0.25 • Write the fraction that matches to each decimal. ○ 0.25 = ○ 0.5 = ○ 0.75 =	• Using place value counters, show that 1 divided into 2 equal parts is 0.5 Can you show that 1 divided into 4 equal parts is the same as 0.25? Write an explanation for a friend. • Harry has written the decimal equivalents to a half and a quarter. Can you explain to him what he has done wrong? What could you use to show him? Harry: $\frac{1}{2}$ = 1.2 $\frac{1}{4}$ = 1.4	• Use the number cards 0 - 5 below to complete the number sentence. $\frac{\square}{\square} = \square \cdot \square$ Which number did you have left over? • Complete the number sentence below using the number cards 0 – 5: $\frac{\square}{\square} = \square \cdot \square\square$ Which number did you have left over? Was it the same number as before? Which extra number would you need to make a number sentence that used your left over number?

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