

Student Activity: Representing Fractions on a Fraction Strip

Use in connection with the interactive file, 'Fraction Strip', on the Student's CD.



- 1. Taking 1 box to represent 1 whole unit, 2 boxes to represent 2 whole units and 3 boxes to represent 3 whole units etc., represent the following fractions on the fraction strips below:
- a)





- 2. If the following rectangular box represents 1 cake. How would I represent $2\frac{1}{3}$ cakes?
- 3. In a draw where there is prize money, is half of the prize always the same amount? Explain your answer.
- 4. Would I get more cake if I was promised $2\frac{4}{5}$ cakes rather than if I was promised $2\frac{5}{6}$ cakes? Explain your answer.
- 5. The following diagram represents $1\frac{3}{4}$ bars of chocolate.

Show 1 bar of chocolate on the diagram.



- 6. Given that this strip represents 3 cakes and I eat $2\frac{2}{5}$ of the cake. Show approximately the portion of the cake that is left in this diagram.
- 7. Rearrange the following numbers $2\frac{1}{2}$, $2\frac{1}{3}$, $2\frac{1}{5}$, $2\frac{2}{3}$, $2\frac{2}{5}$ in order of magnitude putting the smallest first.
- 8. If the fraction strip below represents 4 units, what is $\frac{1}{2}$ of this fraction strip?



- 9. Susan read a book containing 450 pages.
 - a. Sam only read $\frac{1}{2}$ of this book, how many pages did Sam read?
 - b. Joan read $2\frac{1}{2}$ books. They are the same size as Susan's book. How many pages did she read?
- 10. Given that the whole fraction strip below represents 3 units, what number is represented in the shaded part of the fraction strip?

