**Fraction equivalency: common, decimal and percentage consolidation**

1. Charlie divided 1 pizza into 5 pieces. If he ate 2 pieces, what decimal fraction of the pizza did he eat? **0.4**
2. Tom and Sam shared equally one third of a chocolate bar. What fraction of the chocolate bar did each child get? $\frac{1}{6}$
3. Harry says ½ is equivalent to 1.2. Is he correct? Explain your answer.

**No 0.5 is equivalent to ½. 1.2 is more than 1**

1. **True or False** 0.3 is bigger than ¼.Explain your reasoning.

**True. 0.25 is equivalent to ¼ and 0.3 is more than 0.25**

1. Hannah says ‘If I divide 2 by 8, I get the same answer as if I divide 1 by 4’ Do you agree? Explain your answer using diagrams

**Yes. 2 ÷ 8 is 0.25 1 ÷ 4 is also 0.25.**

**2 ÷ 8 is the same as** $\frac{2}{8}$ **1 ÷ 4 is the same as ¼ both common fractions are equivalent**

1. Curtis used 1/3 of a can of paint to cover 3·5 square metres of wall. How much wall will one whole can of paint cover?

**10.5 square metres**

1. Pete shares 6 bananas between some friends. Each friend gets 0·75 of a banana. How many friends does he share the bananas with?

**8**



**£9**



**No. imagine his pocket money was £12 a month. Therefore, last month he saved £6 (half of it). This month he saved £4 (1/3 of it). All together that is £10 out of £24 which is around 42%**

1. Shafi says “All you do when converting percentages to decimals is put ‘0.’ in front of the number e.g. 78% is 0.78.” Do you agree? Prove it! **No. What about more than 100%? 112% is not 0.112; it’s 1.12**
2. Three friends were competing in a race. Billy completed half of the race. Harrison completed 50% of what Billy completed and Charlotte completed 0.25 of what Billy completed. What fraction of the race did they each complete? **Billy = ½ Harrison = ¼ Charlotte =** $\frac{1}{8}$