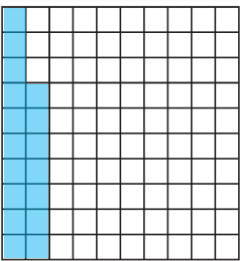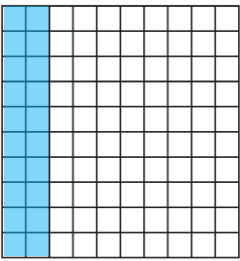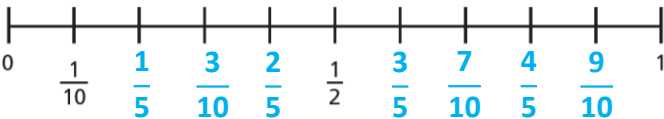| Question | Answer |
|---|---|
| 1 | a) The whole has been divided into **10** equal parts.<br>Each part is worth **0.1**<br>This is equivalent to $\frac{1}{10}$<br>b) The whole has been divided into **100** equal parts.<br>Each part is worth **0.01**<br>**10** parts out of **100** are shaded.<br>This is equivalent to $\frac{10}{100}$ (or $\frac{1}{10}$) |
| 2 | a) <br>**17** parts out of **100** are shaded.<br>$0.17 = \frac{17}{100}$<br>b) <br>**20** parts out of **100** are shaded.<br>$0.2 = \frac{1}{5}$ |
| 3 | a) <br>b) <br><br>Both number lines go up in tenths.<br>The number line is part a) is labelled with decimals and the number line in part b) is labelled with fractions in their simplest form. |

| Question | Answer |
|---|---|
| 4 | a) $\frac{28}{50} = \frac{56}{100} = 0.56$ <br><br> b) $\frac{6}{20} = \frac{30}{100} = 0.30$ <br><br> c) $\frac{9}{25} = \frac{36}{100} = 0.36$ <br><br> d) $\frac{24}{200} = \frac{12}{100} = 0.12$ <br><br> e) $\frac{27}{500} = \frac{54}{1000} = 0.054$ <br><br> f) $\frac{62}{250} = \frac{248}{1000} = 0.248$ |
| 5 | Eva <br><br> Tommy's method: $\frac{60}{200} = \frac{30}{100} = 0.30 = 0.3$ <br><br> Alex's method: $\frac{60}{200} = \frac{300}{1000} = 0.300 = 0.3$ <br><br> They get the same answer. |
| 6 | multiple possible answers, e.g. <br><br> $\frac{2}{4}, \frac{10}{20}$ <br><br> In all the fractions that the children find, the denominator must be twice the numerator. |