

Decimal Fractions (Tenths)

Decimal Fractions of Lengths

We are learning to find decimal fractions of lengths

AC

EA

AA

AM

AP

eg. 10 boys share 3 wafers. The wafers are divided into tenths

and so each boy gets $\frac{3}{10} = 0.3$ of a wafer

Exercise 1: 10 boys share wafers

For each of these questions you have some wafers to be shared equally among 10 boys.

Some answers will be whole numbers but most will not. Give your answers to these questions in tenths and as a decimal.

- 1) 10 boys share 20 wafers. How many does each get?
- 2) 10 boys share 40 wafers. How many does each get?
- 3) 10 boys share 1 wafer. What fraction of a whole wafer does each boy get?
- 4) 10 boys share 3 wafers. What fraction of a whole wafer does each boy get?
- 5) 10 boys share 7 wafers. What fraction of a whole wafer does each boy get?
- 6) 10 boys share 8 wafers. What fraction of a whole wafer does each boy get?
- 7) 10 boys share 12 wafers. What fraction of a whole wafer does each boy get?
- 8) 10 boys share 23 wafers. What fraction of a whole wafer does each boy get?
- 9) 10 boys share 37 wafers. What fraction of a whole wafer does each boy get?
- 10) 10 boys share 19 wafers. What fraction of a whole wafer does each boy get?

Exercise 2: Girls share wafers

For each of these questions you have some wafers to be shared equally among a group of girls.

Give your answers to these questions in tenths and as a decimal.

- 1) 20 girls share 40 wafers. How many does each get?
- 2) 20 girls share 10 wafers? What fraction of a whole wafer does each girl get?
- 3) 20 girls share 2 wafers? What fraction of a whole wafer does each girl get?
- 4) 20 girls share 6 wafers. What fraction of a whole wafer does each girl get?
- 5) 30 girls share 6 wafers. What fraction of a whole wafer does each girl get?
- 6) 15 girls share 3 wafers. What fraction of a whole wafer does each girl get?
- 7) 20 girls share 22 wafers. What fraction of a whole wafer does each girl get?
- 8) 30 girls share 9 wafers. What fraction of a whole wafer does each girl get?

Wafers with Decimal fractions

Answers

Exercise 1

- | | | |
|---|--|--|
| 1) 2 | 2) 4 | 3) $\frac{1}{10} = 0.1$ |
| 4) $\frac{3}{10} = 0.3$ | 5) $\frac{7}{10} = 0.7$ | 6) $\frac{8}{10} = 0.8$ |
| 7) $\frac{12}{10} = 1\frac{2}{10} = 1.2$ | 8) $\frac{23}{10} = 2\frac{3}{10} = 2.3$ | 9) $\frac{37}{10} = 3\frac{7}{10} = 3.7$ |
| 10) $\frac{19}{10} = 1\frac{9}{10} = 1.9$ | | |

Exercise 2

- | | | |
|--|---|--|
| 1) 4 | 2) $\frac{10}{20} = \frac{5}{10} = 0.5$ | 3) $\frac{2}{20} = \frac{1}{10} = 0.1$ |
| 4) $\frac{6}{20} = \frac{3}{10} = 0.3$ | 5) $\frac{6}{30} = \frac{2}{10} = 0.2$ | 6) $\frac{3}{15} = \frac{2}{10} = 0.2$ |
| 7) $\frac{22}{20} = \frac{11}{10} = 1.1$ | 8) $\frac{9}{30} = \frac{3}{10} = 0.3$ | |