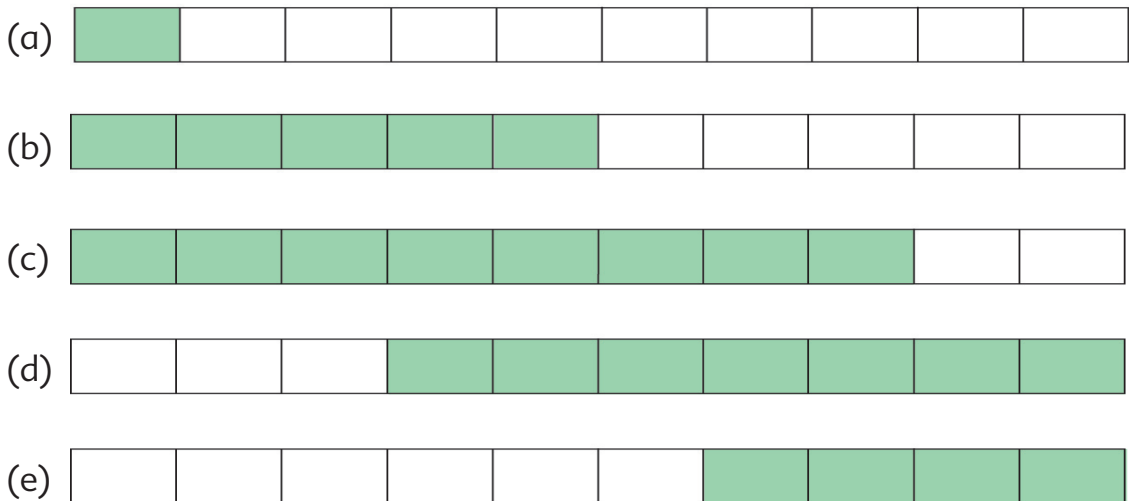
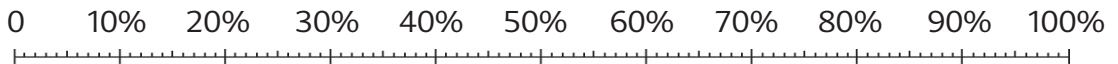


8. What percentage of each of the following bars is shaded? (Use the percentage scale to help you.)



1 whole is 100%.



9.  $\frac{3}{4}$  of the pies which Mrs. Goodman made were apple pies.

(a) What percentage of the pies were apple pies?

$$\frac{3}{4} = \frac{3}{4} \times 100\% = 75\%$$

% of the pies were apple pies.

(b) What percentage of the pies were not apple pies?

$$100\% - 75\% = \text{} \%$$

% of the pies were not apple pies.

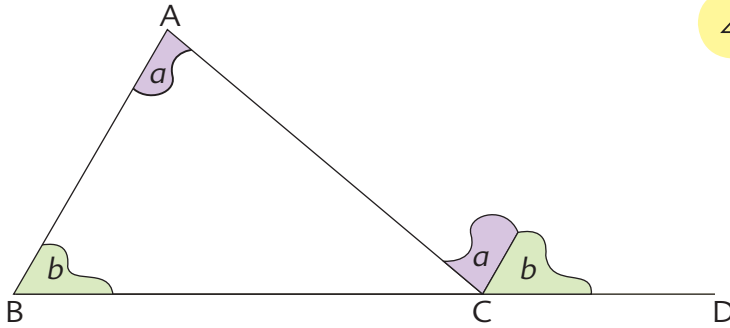
10. 7 out of 25 children are boys.

(a) What percentage of the children are boys?

(b) What percentage of the children are girls?

11. Sam had \$750. He spent \$300 and saved the rest. What percentage of the money did he save?

7. In triangle ABC, BC is extended to D.



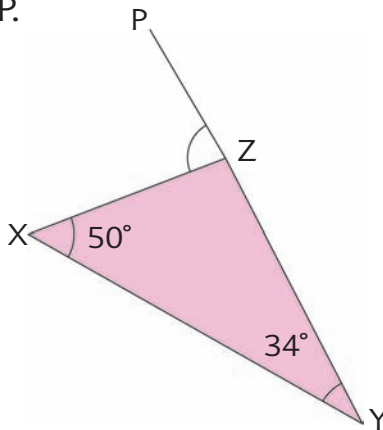
$$\angle ACD = \angle a + \angle b$$



$\angle ACD$  is an **exterior angle** of the triangle.  
 $\angle a$  and  $\angle b$  are **interior opposite angles** of  $\angle ACD$ .

The **exterior angle** of a triangle is equal to the sum of its **interior opposite angles**.

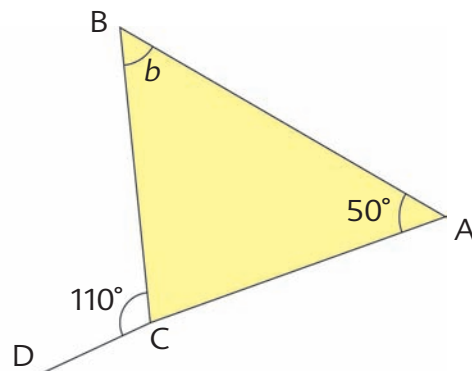
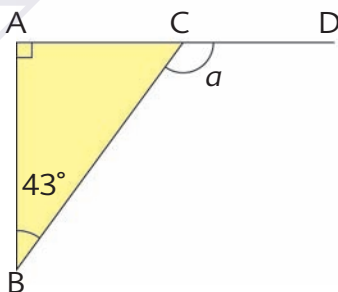
8. In triangle XYZ, YZ is extended to P,  $\angle ZXY = 50^\circ$  and  $\angle XYZ = 34^\circ$ . Find  $\angle XZP$ .



$$\angle XZP = 50^\circ + 34^\circ$$



9. In each figure, ACD is a straight line. Find the unknown marked angle.



## 2 Histograms

The number of points that 24 students scored for a mathematics exam is shown below. How can we organize this data?

79	65	73	85	90	75	92	88
93	84	70	68	72	85	89	71
98	75	82	87	88	78	81	83

There are a lot of numbers but some are close to each other so I will group them.



Points	Number of Students
90 to 99	4
80 to 89	10
70 to 79	8
60 to 69	2



The data is grouped into four intervals.

The data in the table can be shown on a **histogram**.