



Work out the reciprocal of 1.25

$$1.25 = \frac{5}{4}$$

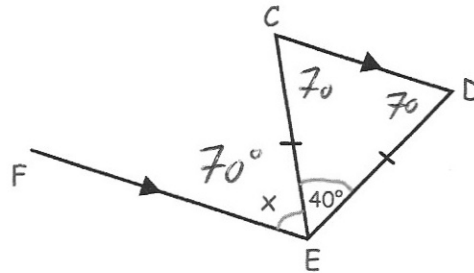
$$\frac{4}{5}$$

EF and CD are parallel straight lines.  
 CE = DE  
 Angle CED = 40°  
 Find the size of angle CEF

$$180 - 40 = 140$$

$$140 \div 2 = 70$$

$$70^\circ$$



Factorise  $x^2 - 5x - 14$

$$(x - 7)(x + 2)$$

Factorise  $x^2 - 21x + 20$

$$(x - 1)(x - 20)$$

Aminah is  $x$  years old.  $x + 8$   
 Aminah is 8 years younger than Ivy.  
 Jill is three times older than Ivy.  $3x + 24$   
 The sum of their ages is 67.

Work out Ivy's age.

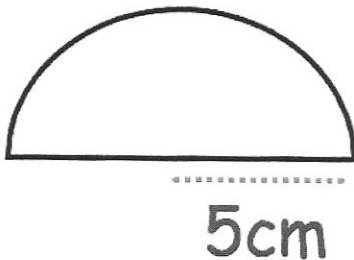
$$5x + 32 = 67$$

$$5x = 35$$

$$x = 7$$

$$7 + 8 = 15$$

(15)



Calculate the perimeter of this semi-circle.

$$\frac{1}{2}(\pi \times d)$$

$$\frac{1}{2}(\pi \times 10) = 15.707...$$

$$15.707... + 10 = 25.708\text{cm}$$