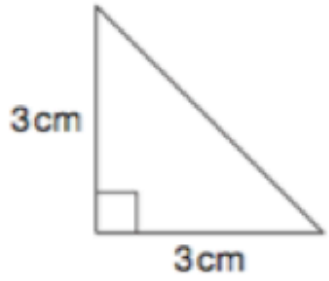
June 2nd	5-a-day	Numeracy
List the first 5 multiples of seven 7 14 21 28 35	List the factors of 20 1 2 4 5 10 20	
Write the value of the 5 in the number 15 694 5000 five thousand.		
- 2 + 5 3	3 - 10 -7	
 $\frac{1}{2}(3\times3) = 4.5\,cm^2$	Find the area of this triangle	
David measures 3 angles in a triangle and they are: 50°, 62° and 78°. Do these 3 angles make a triangle?	50 62 178 190 No	

June 2	5-a-day	Foundation

Expand

$y(5 + y)$

$5y + y^2$

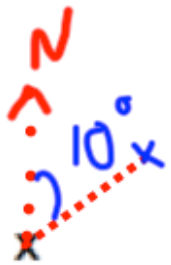
or $y^2 + 5y$

$\frac{4}{5} \times \frac{1}{7}$

$\frac{4}{35}$

Harbour x

1cm = 5 miles



Boat 1

3cm

Boat 2 is 15 miles from the Boat 1, on a bearing of 010°

Mark with an x the location of Boat 2 on the map above

Complete the stem and leaf diagram. Include a key.

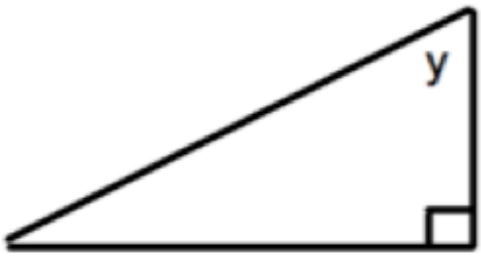
~~18~~ ~~16~~ 27 ~~9~~ ~~10~~

~~11~~ ~~8~~ ~~4~~ ~~12~~ 23

0	4 8 9
1	0 1 2 6 8
2	3 7

0|4 means 4.

June 2	5-a-day	Higher



A
O

Calculate angle y

$\tan y = \frac{5}{3}$

$y = 59.04°$

c
a
b
H
O

$a^2 + b^2 = c^2$

$a^2 + 8^2 = 10^2$

$a^2 = 36 \quad a = 6cm$

Find CD

S°H

$\frac{b}{\sin 20} = 17.54cm$

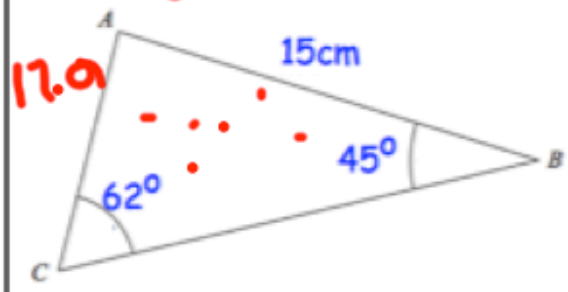
Make g the subject of $5g + 3w = ag - c$

$5g - ag = -c - 3w$

$g(5-a) = -c - 3w$

$g = \frac{-c-3w}{5-a}$

or $\frac{c+3w}{a-5}$



Find the length of AC.

$\frac{15}{\sin 62} = \frac{AC}{\sin 45}$

$AC = 12.01cm$

Find angle BAC

$180 - 62 - 45 = 73°$

Find the area of the triangle

$\frac{1}{2}(12.01)(15)\sin 73$

$86.14cm^2$