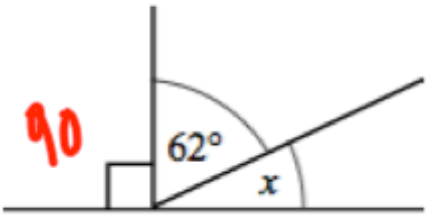
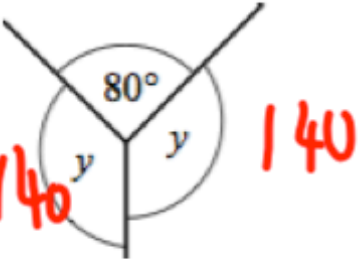


March 5th	5-a-day	Numeracy
Calculate $382 + 235$	$\begin{array}{r} 382 \\ + 235 \\ \hline 617 \end{array}$	617
Calculate $272 \div 8$	$\begin{array}{r} 034 \\ 8 \overline{) 272} \\ \underline{272} \\ 0 \end{array}$	34
<p>13 4 5 21 24 18 2 9 5</p> <p>Mode = 5</p>	<p>Median =</p> <p><del>2</del> <del>4</del> <del>5</del> <del>9</del> <del>13</del> <del>18</del> <del>21</del> <del>24</del></p> <p>Range = <math>24 - 2 = 22</math></p>	
	<p>Find x</p> $\begin{array}{r} 90 \\ + 62 \\ \hline 152 \end{array}$ $\begin{array}{r} 180 \\ - 152 \\ \hline 28 \end{array}$ <p>28</p>	
	<p>Find y</p> $\begin{array}{r} 280 \\ - 080 \\ \hline 200 \end{array}$ $200 \div 2 = 100$	$280 \div 2 = 140$

Solve  $2(2y + 1) + 3y = 9$

$$4y + 2 + 3y = 9$$

$$7y + 2 = 9$$

$$7y = 7$$

$$y = 1$$

Solve  $2w + 3 = w + 8$

$$-w \quad -w$$

$$w + 3 = 8$$

$$-3 \quad -3$$

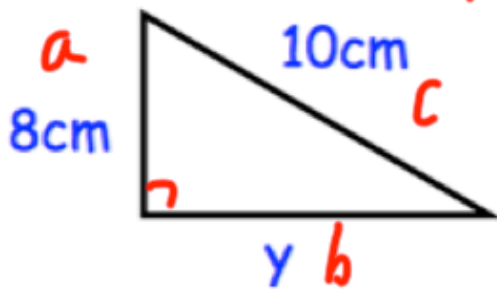
$$w = 5$$

A shopkeeper wants to find out what people buy for lunch.

He decides to ask the first 20 people he sees entering the gym next door.

Is this going to give him good results? Give a reason for your answer.

NO, he may want to ask a wider range of people - has asked only people who exercise.



Calculate y

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

$$8^2 + y^2 = 10^2$$

$$64 + y^2 = 100$$

$$y^2 = 36 \quad y = 6$$

Solve  $x^2 - 3x = 8$

to one decimal place, using trial and improvement

x	$x^2 - 3x$	Comment
4	$4^2 - 12 = 4$	too small
5	10	too big
4.5	6.75	too small
4.7	7.99	too small
4.8	8.64	too big
4.75	8.3125	too big

4.7

Answer.....

March 5th

5-a-day

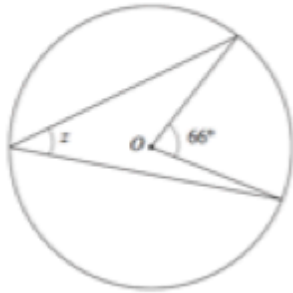
Higher

In a sale, prices are reduced by 22%.

The sale price of a TV is £507.

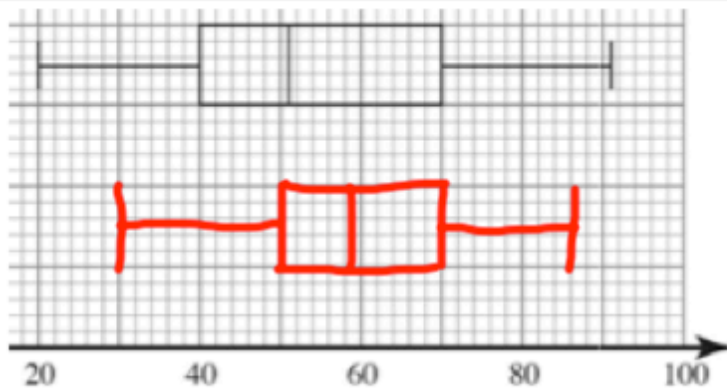
Work out the usual price of the TV

$$\begin{aligned}78\% &= 507 \\ 1\% &= 6.5 \\ 100\% &= 650 \\ &£650\end{aligned}$$



Find the size of z

$$33^\circ$$



Mark  
Lowest score 26  
Lower quartile 30  
Median 51  
Upper quartile 70  
Highest score 91

Another class sit the test, draw a box plot for their results. Lowest score was 30 and highest score was 86. The lower quartile was 50, median was 58 and upper quartile was 70.

The area of two circles have areas in the ratio 1:9

If the radius of the smaller circle is 2.5cm, what is the radius of the larger circle?

$$\begin{aligned}A & 1:9 \\ C & 1:3 \\ 2.5 \times 3 &= 7.5\end{aligned}$$