



Test 3 Revision

YEAR 8 FOUNDATION

Topic 9	Convert these decimals in to percentages	Convert these fractions into percentages	Convert these percentages into fractions															
	a) 0.75 b) 0.2 c) 0.05	a) $\frac{1}{2}$ b) $\frac{3}{4}$ c) $\frac{31}{50}$	a) 25% b) 40% c) 15%															
	Calculate: a) $\frac{1}{5}$ of £30 b) $\frac{1}{8}$ of £32 c) $\frac{1}{7}$ of £35	Calculate: a) $\frac{2}{5}$ of £20 b) $\frac{3}{8}$ of £16 c) $\frac{4}{7}$ of £28	There are 30 people in a tennis club. $\frac{3}{5}$ of the members are male. How many female members are there?															
Number : %/decimal/fraction	Calculate: a) $\frac{2}{5} + \frac{1}{5}$ b) $\frac{5}{8} + \frac{1}{8}$ c) $\frac{3}{4} + \frac{3}{4}$	Calculate: a) $\frac{2}{5} + \frac{3}{10}$ b) $\frac{7}{12} + \frac{1}{6}$ c) $\frac{3}{4} + \frac{5}{12}$	<table border="1"> <thead> <tr> <th></th> <th>greater than $\frac{1}{2}$</th> <th>less than $\frac{1}{2}$</th> </tr> </thead> <tbody> <tr> <td>0.9</td> <td>✓</td> <td></td> </tr> <tr> <td>0.06</td> <td></td> <td></td> </tr> <tr> <td>$\frac{11}{20}$</td> <td></td> <td></td> </tr> <tr> <td>0.21</td> <td></td> <td></td> </tr> </tbody> </table>		greater than $\frac{1}{2}$	less than $\frac{1}{2}$	0.9	✓		0.06			$\frac{11}{20}$			0.21		
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0.9	✓																	
0.06																		
$\frac{11}{20}$																		
0.21																		

Topic 9

Convert these decimals in to percentages

a) 0.75 **75%**

b) 0.2 **20%**

c) 0.05 **5%**

Convert these fractions into percentages

a) $\frac{1}{2}$ **50%**

b) $\frac{3}{4}$ **75%**

c) $\frac{31}{50}$ **62%**

Convert these percentages into fractions

a) 25% **$\frac{1}{4}$**

b) 40% **$\frac{2}{5}$**

c) 15% **$\frac{3}{20}$**

Number : %/decimal/fraction

Calculate:

a) $\frac{1}{5}$ of £30 **6**

b) $\frac{1}{8}$ of £32 **4**

c) $\frac{1}{7}$ of £35 **5**

Calculate:

a) $\frac{2}{5}$ of £20 **8**

b) $\frac{3}{8}$ of £16 **6**

c) $\frac{4}{7}$ of £28 **16**

There are 30 people in a tennis club.
 $\frac{3}{5}$ of the members are male.
 How many female members are there? **12**

Calculate:

a) $\frac{2}{5} + \frac{1}{5}$ **$\frac{3}{5}$**

b) $\frac{5}{8} + \frac{1}{8}$ **$\frac{6}{8} = \frac{3}{4}$**

c) $\frac{3}{4} + \frac{3}{4}$ **$\frac{6}{4} = \frac{3}{2} = 1\frac{1}{2}$**

Calculate:

a) $\frac{2}{5} + \frac{3}{10}$ **$\frac{7}{10}$**

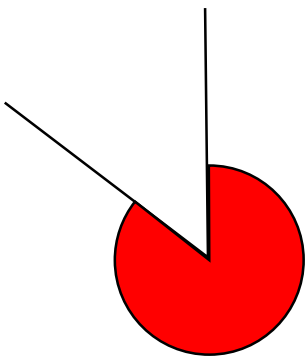
b) $\frac{7}{12} + \frac{1}{6}$ **$\frac{3}{4}$**

c) $\frac{3}{4} + \frac{5}{12}$ **$\frac{7}{6} = 1\frac{1}{6}$**

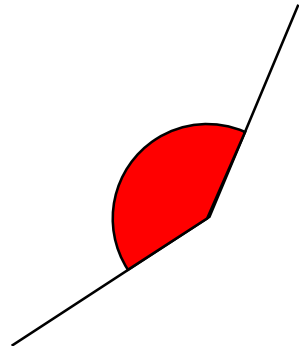
	greater than $\frac{1}{2}$	less than $\frac{1}{2}$
0.9	✓	
0.06		✓
$\frac{11}{20}$	✓	
0.21		✓

Topic 10

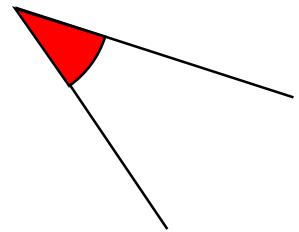
Name the type of angle



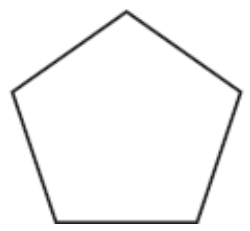
Name the type of angle



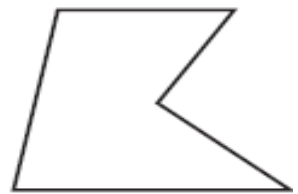
Name the type of angle



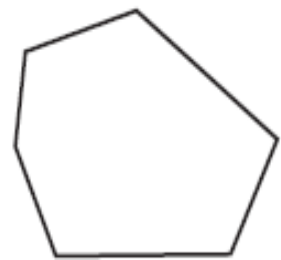
Name the polygon



Name the polygon

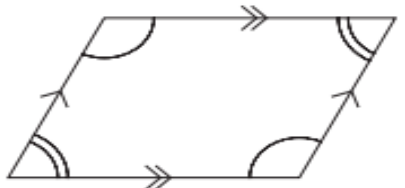


Name the polygon



Geometry: Angles

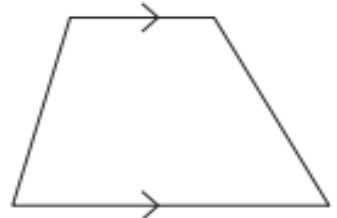
Name the quadrilateral



Name the quadrilateral

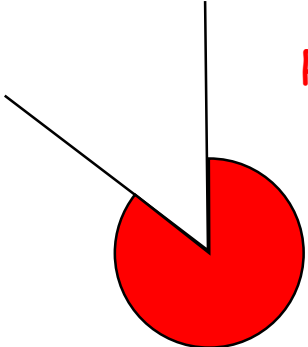


Name the quadrilateral



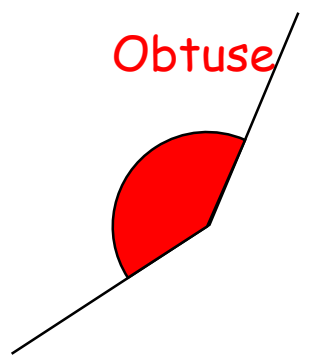
Topic 10

Name the type of angle



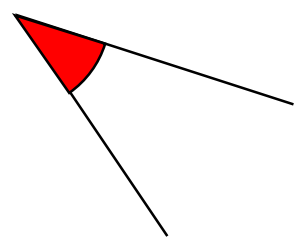
Reflex

Name the type of angle



Obtuse

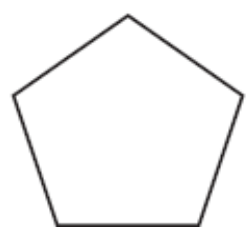
Name the type of angle



Acute

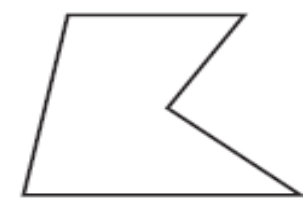
Name the polygon

Regular Pentagon



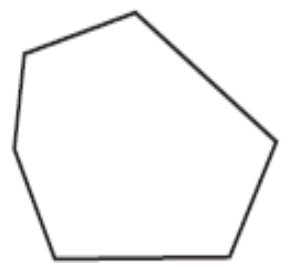
Name the polygon

Irregular concave pentagon



Name the polygon

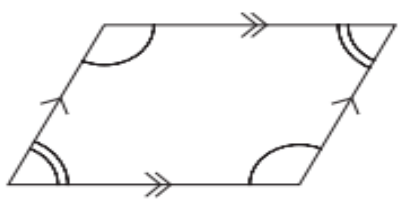
Irregular hexagon



Geometry: Angles

Name the quadrilateral

Parallelogram



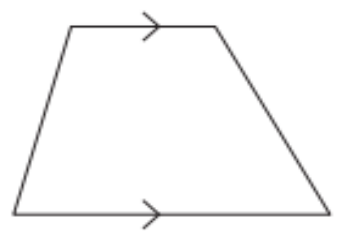
Name the quadrilateral

Kite

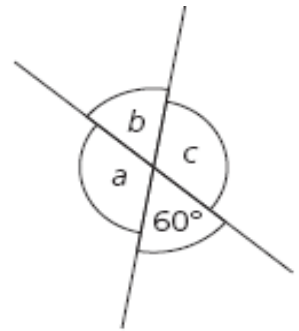


Name the quadrilateral

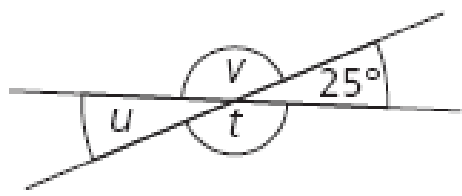
Trapezium



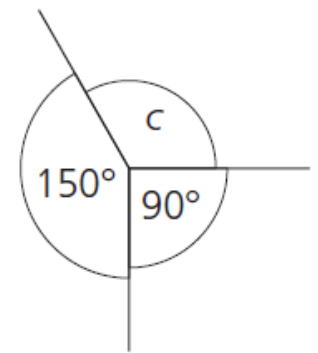
Calculate the missing angles



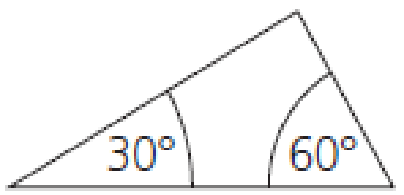
Calculate the missing angles



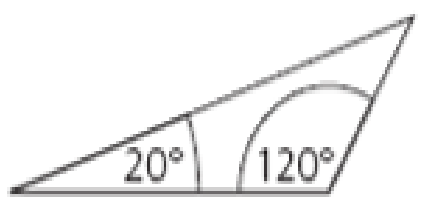
Calculate the missing angle



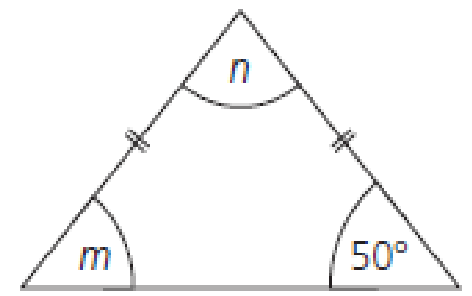
Calculate the missing angle



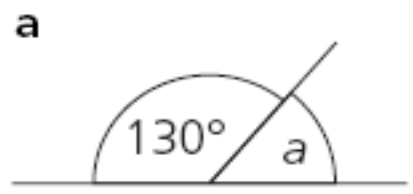
Calculate the missing angle



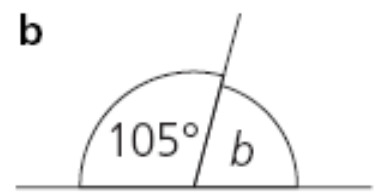
Calculate the missing angle.



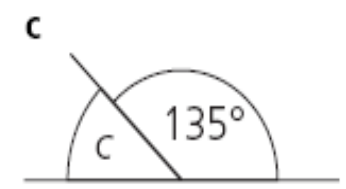
Calculate the missing angle



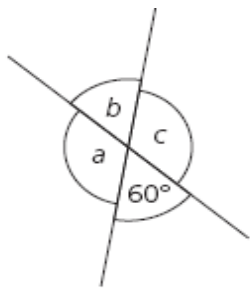
Calculate the missing angle



Calculate the missing angle

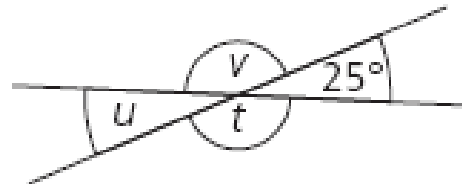


Calculate the missing angles



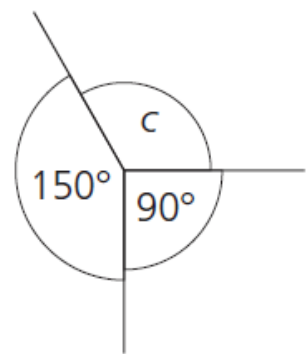
$a = 120^\circ$
 $b = 60^\circ$
 $c = 120^\circ$

Calculate the missing angles



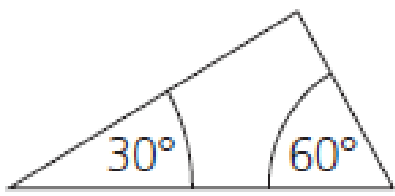
$u = 25^\circ$ $v = t = 155^\circ$

Calculate the missing angle



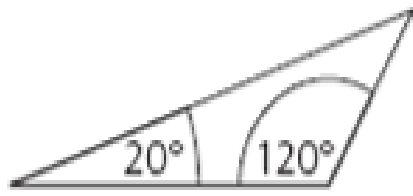
$c = 120^\circ$

Calculate the missing angle



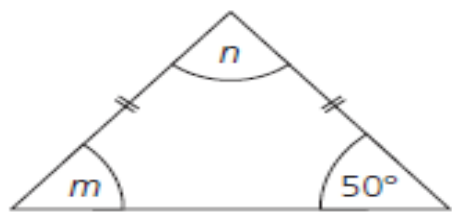
90°

Calculate the missing angle



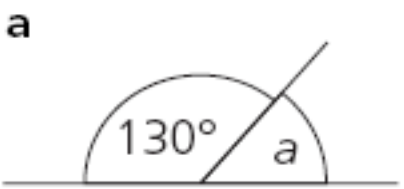
40°

Calculate the missing angle.



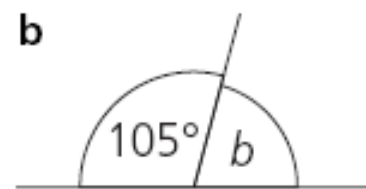
$m = 50^\circ$ $n = 80^\circ$

Calculate the missing angle



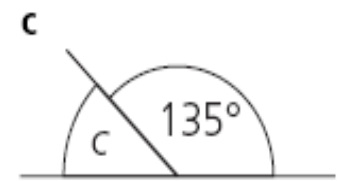
$a = 50^\circ$

Calculate the missing angle



$b = 75^\circ$

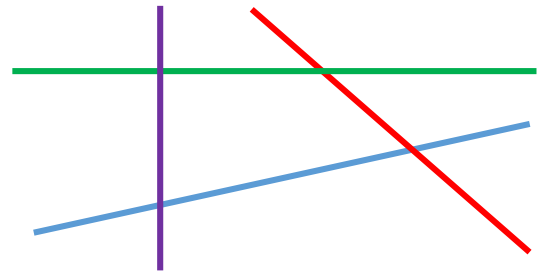
Calculate the missing angle



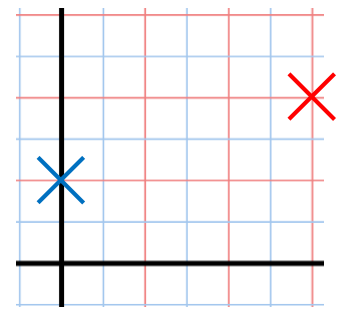
$c = 45^\circ$

Which colour line is

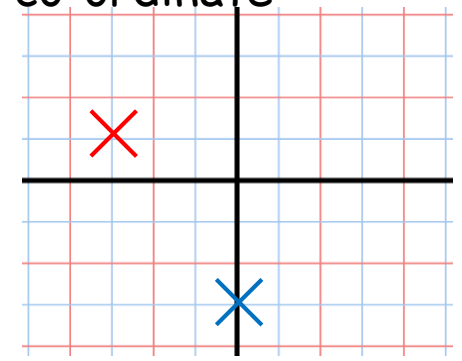
- a) Vertical
- b) horizontal



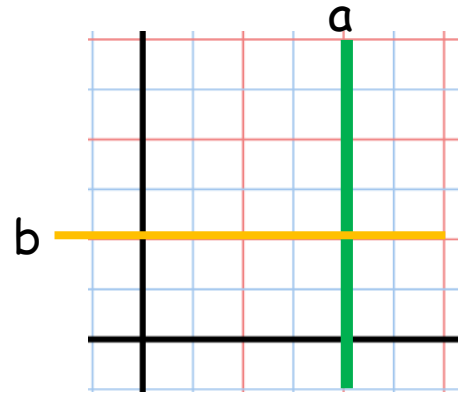
Red co-ordinate =
Blue co-ordinate =



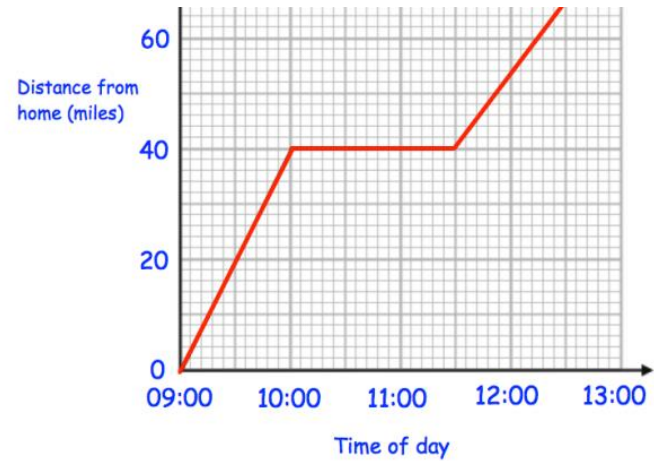
Red co-ordinate =
Blue co-ordinate =



Name these two lines:

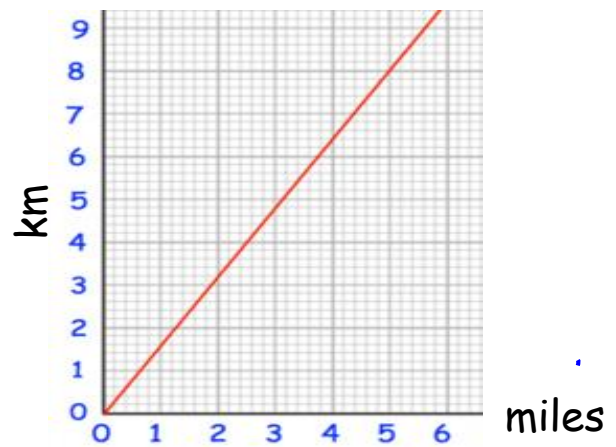


- a) How far had been travelled by 9:30?
- b) How long did the person stop for?

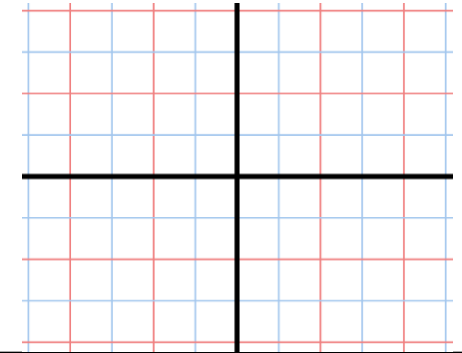


Use the graph to convert

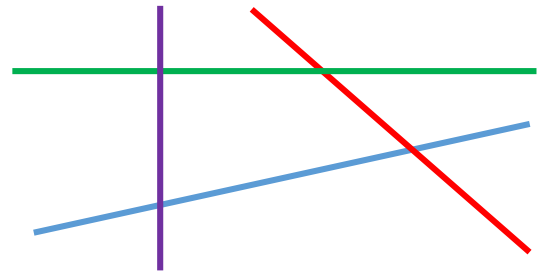
- a) 5 miles into km
- b) 1 mile into km
- c) 16 km into miles
- d) 20 miles into km



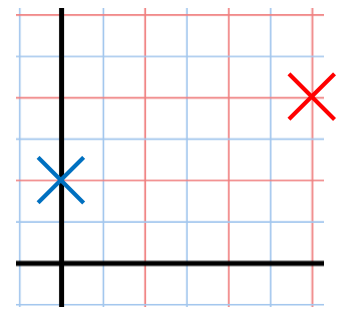
Draw the line $x = 2$
Draw the line $y = -3$



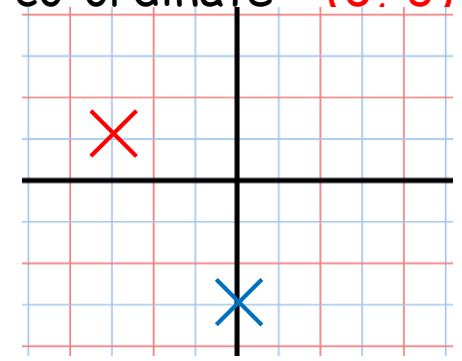
Which colour line is
 a) Vertical **purple**
 b) Horizontal **green**



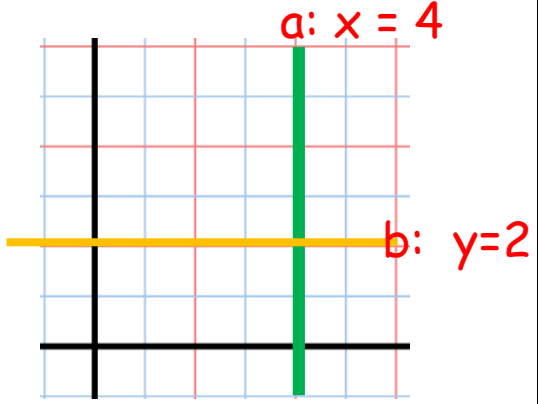
Red co-ordinate = $(6,4)$
 Blue co-ordinate = $(0,2)$



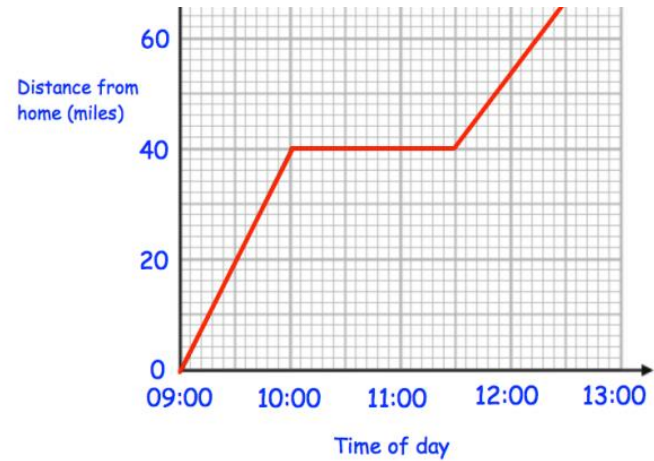
Red co-ordinate = $(-3,1)$
 Blue co-ordinate = $(0,-3)$



Name these two lines:

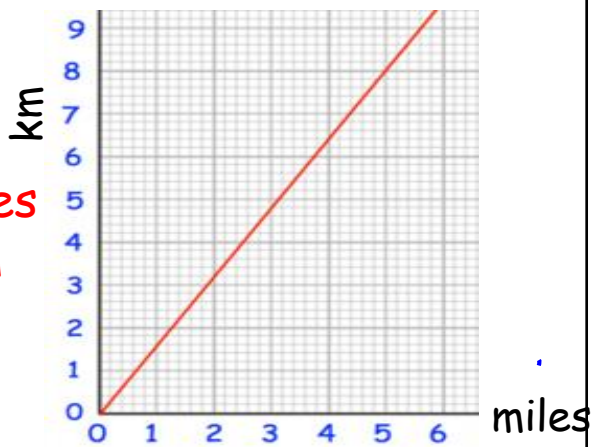


a) How far had been travelled by 9:30?
20 miles
 b) How long did the person stop for?
1 1/2 hours

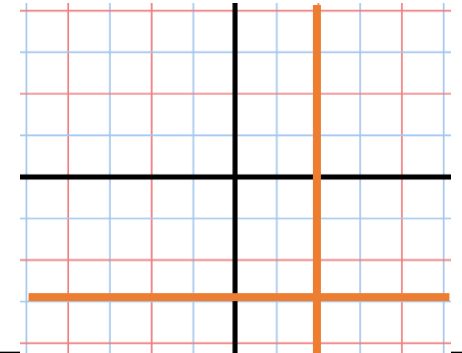


Use the graph to convert

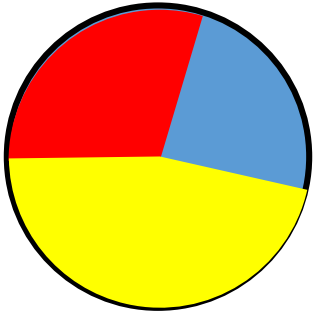
- a) 5 miles into km = **8 km**
- b) 1 mile into km = **1.6 km**
- c) 16 km into miles = **10 miles**
- d) 20 miles into km = **32 km**



Draw the line $x = 2$
 Draw the line $y = -3$



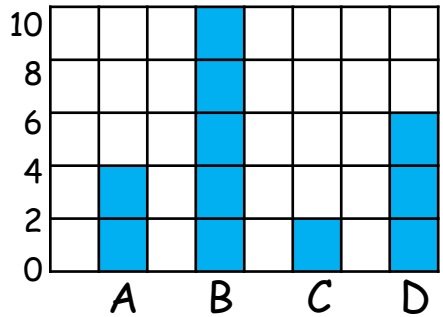
What colour is the mode?



Complete this table:

Pet	Tally	Frequency
Cat		
Dog		9
Other		

How many people were questioned?



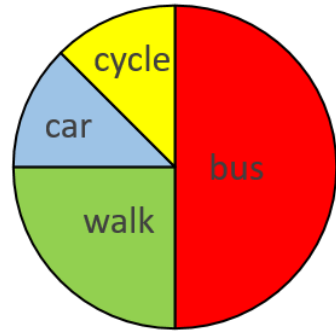
80 people = Man Utd fans

How many Fans did the Other teams have.



Total = 32 pupils

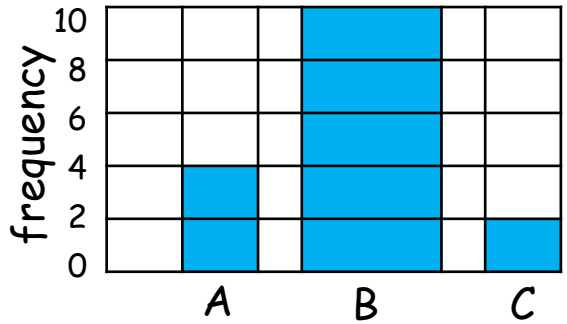
How many came to school by each method.



Find the missing angles?

	Frequency	Angle
Red	80	
Blue	60	
Green	40	
Total	180	

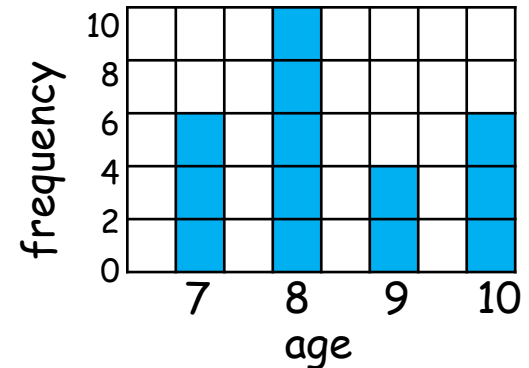
What is wrong with this bar chart?



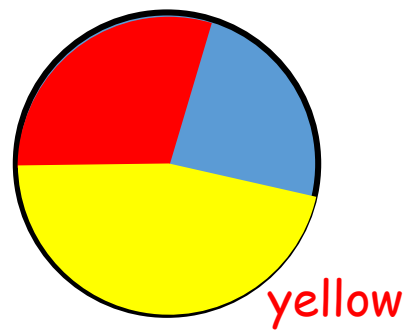
What is wrong with this tally chart?

Pet	Tally	Frequency
Cat		7
Dog		5
Other		4

What was the mode?



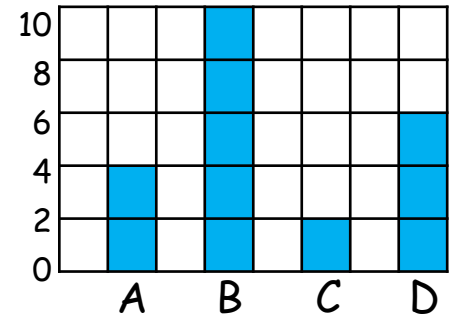
What colour is the mode?



Complete this table:

Pet	Tally	Frequency
Cat		7
Dog		9
Other		4

How many people were questioned? 22



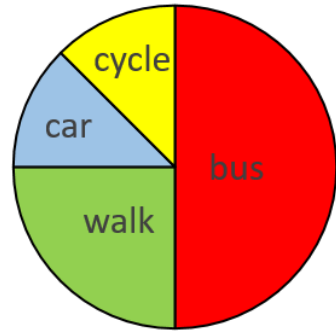
80 people = Man Utd fans

How many Fans did the other teams have. 240



Total = 32 pupils

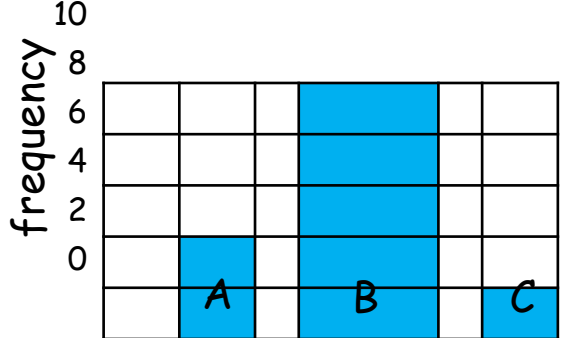
Bus = 16
Walk = 8
Car = 4
Cycle = 4



Find the missing angles?

	Frequency	Angle
Red	80	160
Blue	60	120
Green	40	80
Total	180	360

What is wrong with this bar chart? B too wide



What is wrong?

7 = ~~|||||~~ 5 = ~~|||||~~

Pet	Tally	Frequency
Cat		7
Dog		5
Other		4

What was the mode? 8

