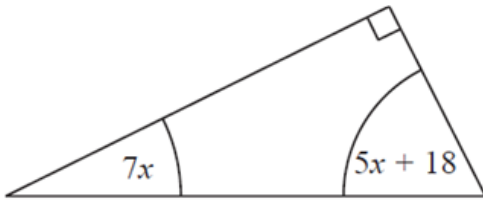


Q1



Work out the size of the smallest angle



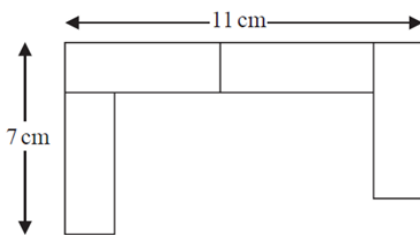
Q2

Colour	red	blue	green	yellow
Probability	0.24			0.32

The probability of blue and green are the same. Complete the table.



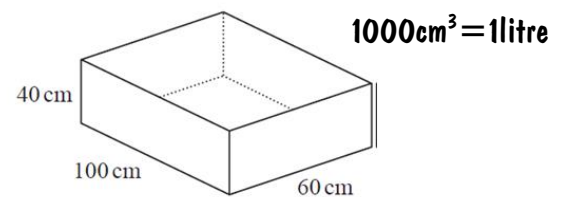
Q3



The rectangles are congruent. Find the total area.



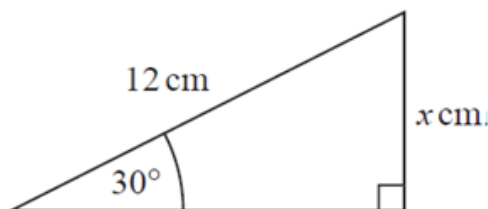
Q4



A bag of soil costs £2.50 for 8 litres. Work out the cost to fill the flower bed.



Q5



Work out the value of x



Q6

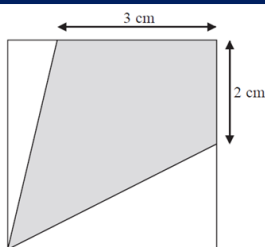
$$b^2 + 13b$$

$$6y - 14y^2$$

Factorise both expressions



Q7



The square's perimeter is 16 cm. Work out the area of the shaded section.



Q8

14	0	2	9			
15	1	1	3	5	7	
16	2	4	5	7	8	9
17	6	6	7	9		
18	0	0	1			

Find the median height



Easter Exam Revision

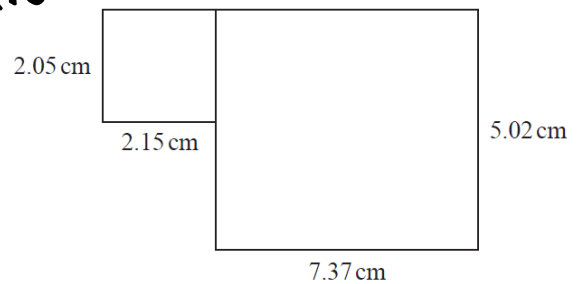
Q9 $x + x + x + y + y$

$$3p + 7q - p - 4q$$

Simplify both expressions



Q10



Estimate the area



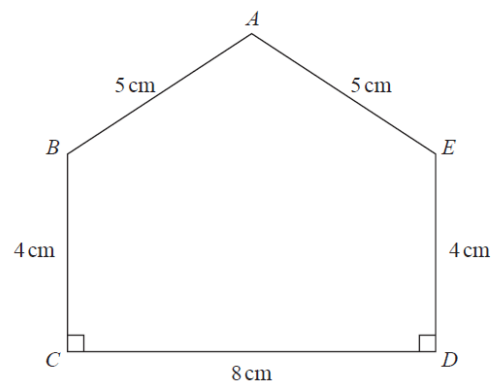
Q11

$$2\frac{3}{5} - 1\frac{5}{6}$$

Work out the sum



Q12



Work out the area



Q13

$$p = 3y + 11$$

Make y the subject



Q14



The price of a phone in England is £1480
The price of the same phone in France is €1980

The exchange rates are

$$£1 = €1.34$$

$$£1 = \$1.52$$

Where is cheaper?



Q15



Height (h cm)	Frequency
$130 < h \leq 140$	1
$140 < h \leq 150$	7
$150 < h \leq 160$	8
$160 < h \leq 170$	10
$170 < h \leq 180$	4

Calculate the mean



Q16



James invested £6000 for 4 years in a savings account.
He was paid 2.5% per annum compound interest.

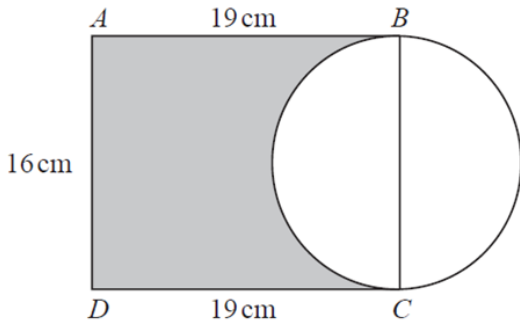
Olivia invested £6000 for 4 years in a savings account.
She was paid 3.5% per annum simple interest.

Who gets the best deal?



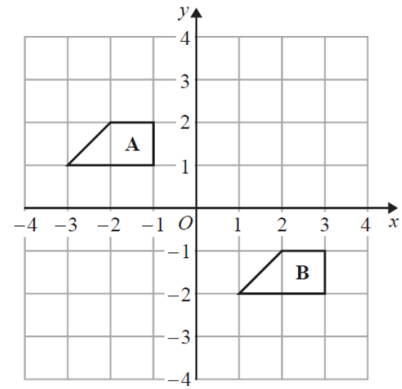
Easter Exam Revision

Q17



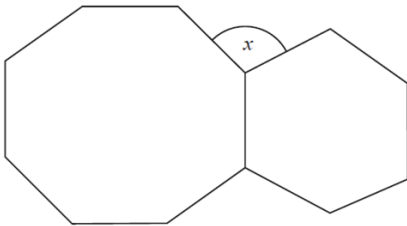
Calculate the shaded area

Q18



Describe the transformation

Q19



Work out the angle between the regular octagon and hexagon

Q20

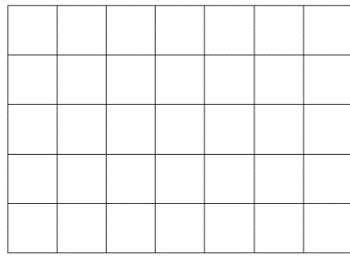
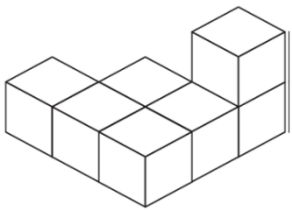


The ratio of the number of boys to girls is 4:5

There are 95 girls.

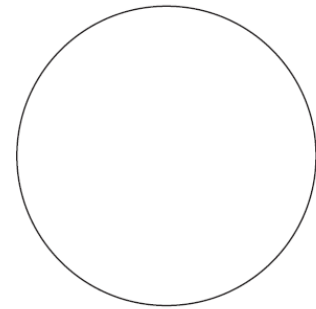
How many boys are there?

Q21



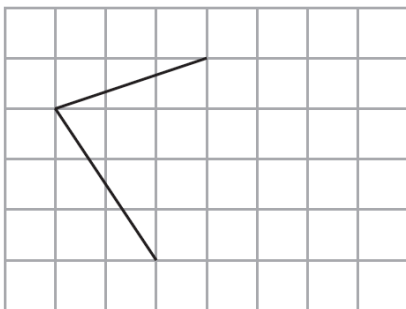
Draw a plan

Q22



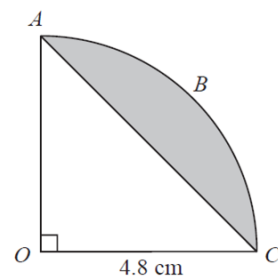
Draw a chord

Q23



Complete the parallelogram

Q24



Work out the area of the shaded segment to 3sf.

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Q25



$$\frac{\sqrt{2.7} + 6.5}{4.8 - 1.06}$$

Work out to 2 decimal places

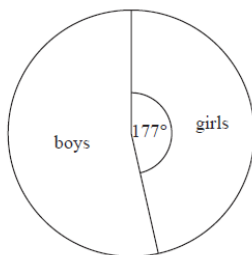
Q26



$$\frac{\sqrt{2.7} + 6.5}{4.8 - 1.06}$$

Work out to 2 significant figures

Q27



There are 240 students. How many boys are there?

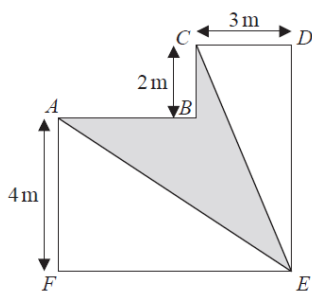
Q28



$$5n + 3 > 27$$

Solve

Q29



The perimeter is 28cm. Find the area of the shaded section

Q30



$$\begin{aligned} 4x + y &= 10 \\ x - 5y &= 13 \end{aligned}$$

Solve the simultaneous equations

Q31

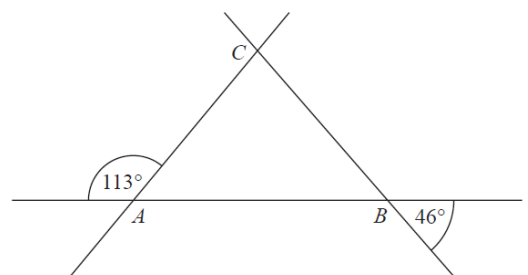


$$y = \frac{3}{x}$$

x	0.5	1	2	3	4	5	6
y		3	1.5		0.75		

Complete the table of values

Q32



Show ABC is an isosceles. Give reasons at each stage

Answers

1. 42°
2. 0.22
3. 48cm^2
4. £75
5. 6cm
6. $b(b+13) / 2y(3-7y)$
7. 10cm^2
8. 165
9. $3x+2y / 2p+3q$
10. 39cm^2
11. $\frac{23}{30}$
12. 44cm^2
13. $\frac{p-11}{3}=y$
14. France by €3.20
15. 158cm
16. Olivia-£6840 compared to £6622.88
17. 203.47cm^2
18. Translation $\begin{pmatrix} 4 \\ -3 \end{pmatrix}$
19. 105°

20. 76 boys
21. Plan Drawn
22. Chord Drawn
23. Parallelogram Drawn
24. 6.58cm^2
25. 2.18
26. 2.2
27. 122 boys
28. 4.8
29. 13m^2
30. $x = 3$ and $y = -2$
31. 6, 1, 0.6 and 0.5
32. Opposite angle = 46° , Angles on a straight line = 67° , angles in a triangle $(180^\circ - (67^\circ + 46^\circ)) = 67^\circ$, Two angle are the same.