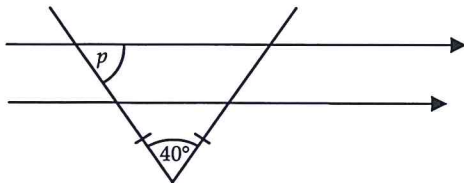


Quick Revision Sheet 17

1. Write 60 as a product of prime factors C _____
2. Divide £240 in the ratio 5:7 C _____
3. Write in order of increasing size starting with the smallest first:
122, 45, 567, 12, 988 E _____
4. Which of these is the lowest?
-6, 3, -8, 12, 0 E _____
5. Solve the simultaneous equations
 $3x + 2y = 5$ and $4x - 2y = 2$ C _____
6. Solve the equation $7x + 13 = 4x + 25$ C _____
7. In 10 homework tasks Seema scored the following marks:
6, 10, 11, 8, 15, 16, 9, 12, 11, 2
 - (a) Find her mean mark C _____
 - (b) Find the range of her marks C _____
 - (c) Find his median mark C _____
 - (d) Find the mode of her marks C _____
 - (e) On the evidence available, estimate the probability of Seema scoring a least 11 in any homework C _____
8. Write down the 8th term in the sequence
3, 7, 11, 15, 19, 23, ... D _____
9. Work out angle p giving a reason for your answer



- C _____
10. Factorise $4x^2 - x$ C _____
11. Expand $y^2(2 - y)$ C _____
12. 185 pupils go on a coach trip. Each coach holds 35 pupils. How many coaches are needed? E _____

13. The probability of obtaining a six with a throw of a die is $\frac{1}{6}$. Jamie throws the die 120 times. How many sixes would you expect Jamie to throw? Select from a) 20, b) approximately 20. Explain your choice of answer.

C _____

14. Solve the equation $\frac{w}{4} = 6$

D _____

15. Here is a formula $v = u + at$. If $u = 4$, $a = 5$, and $t = 10$, calculate the value of v .

D _____

16. The universal set $\xi = \{\text{positive whole numbers}\}$.
 $R = \{2, 4, 6, 7, 8, 10\}$ and $Q = \{\text{multiples of 5 less than 20}\}$.
 Find:

(i) $R \cap Q$

(ii) Is $9 \in R$?

(iii) Is it true that 11 is not a member of Q ?

C _____

17. Use only symbols from the box

$+ \quad - \quad \times \quad \div \quad \text{and} \quad (\quad)$

Make the following statements true:

(i) $2 \quad 3 \quad 4 = 14$

(ii) $2 \quad 3 \quad 4 = 20$

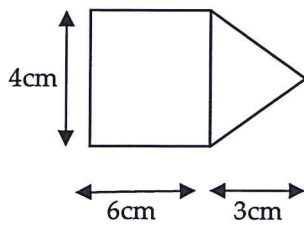
C _____

18. Change 0.65 to a fraction in its lowest form

D _____

19. Find the area of this shape:

C _____



20. y varies directly with x .
 Find the missing values in the table.

C _____

x	5	10	15	20	25
y	15			60	75