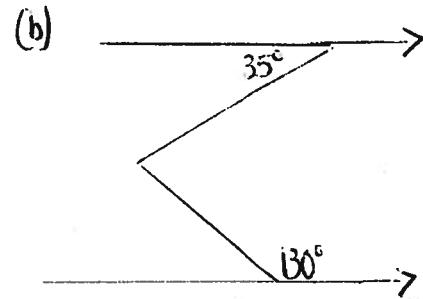
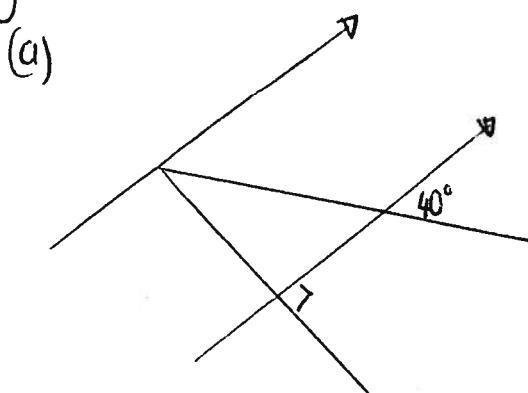


SI Block 2 Revision Worksheet

(E/F/G)

- ① Calculate (a) 36.4×2.7 (b) $6.72 \div 0.2$
- ② If $a = 2$, $b = -3$ and $c = -1$ find the values of the following expressions.
(a) $3a - 5b$ (b) abc (c) $b^2 - 3ac$
- ③ Simplify the following
(a) $3(2x-1) + 4(3x+2)$ (b) $9(4p-2) - 3(4-p)$
(c) $6 \times (-g) \times (-4) \times g$ (d) $3g \times 4p \times (-2g)$
- ④ Copy out the following diagrams and fill in all the missing angles.



- ⑤ Calculate the mean, median, mode and range of the following temperatures

-3°C , 5°C , -1°C , 5°C , 2°C , 0°C .

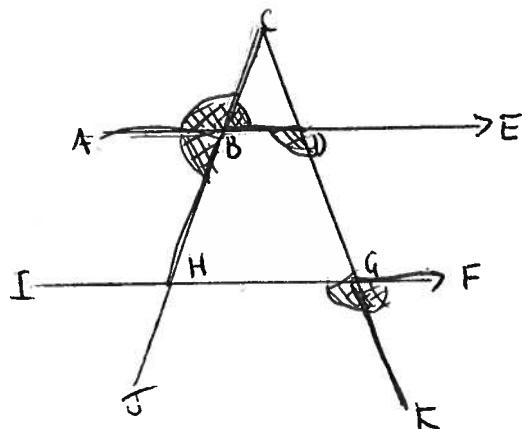
- ⑥ A bag contains 4 red balls and 6 green balls.
- (a) What is the probability of choosing a red ball.
(b) Two balls are picked randomly from the bag. If the first ball is red, what is the probability that the second ball is red?

⑦ Find an estimate for the following calculations.

(a) 394×19

(b) $\frac{32.1 \times 29.3}{8.9}$

⑧



Name an angle.

(a) supplementary to \hat{CBD}

(b) alternate to \hat{ABH}

(c) corresponding to \hat{ADC}

(d) vertically opposite \hat{FJK}

⑨ Round 36.3945 to

(a) the nearest 10

(b) 2 significant figures

(c) 1 significant figure

(d) 1 decimal place.

⑩ Calculate

(a) $\frac{3}{7}$ of £84

(b) $\frac{3}{4} + \frac{2}{5}$

⑪ Calculate

(a) $-3 + (-4)$

(b) $-7 - (-2)$

(c) $(-3)^2 \times 4$

(d) $-20 \div (-5)$

(e) $3 \times (-6) \div 2$

⑫ A music shop sold 72 CD's at £9.99 and 37 CD's at £5.19. Find an estimate of the amount of money the shop took in.

⑬ The stem and leaf diagram shows the ages of people on a bus.

Calculate (a) the median age

(b) the mean age.

Ages of People on a Bus

0	9	
1	7, 9	
2	3, 5, 8	OK
3	2	9
4	7	
5	5, 5	R=16