

Paper 2 MIB

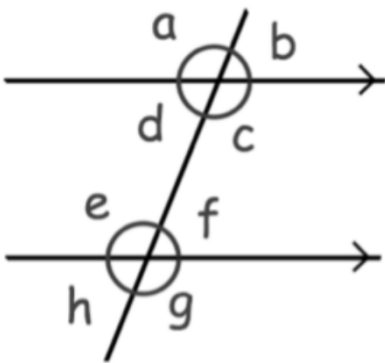
Topic	Question	Video
Angles in Parallel lines	7	G7
Subject of a formula	10b	A9a or A9b
Percentage Change/Profit	15a	R6
Reverse Percentages	15b	R12
Forming & Solving Equations	20	A16

- Watch video on Paper (using QR code)
- Watch the video on website if still unsure, answering questions at end of video
- Answer these questions

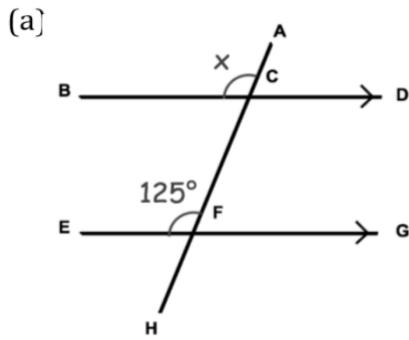
This is the best way to revise!

Total of 16 marks on one paper

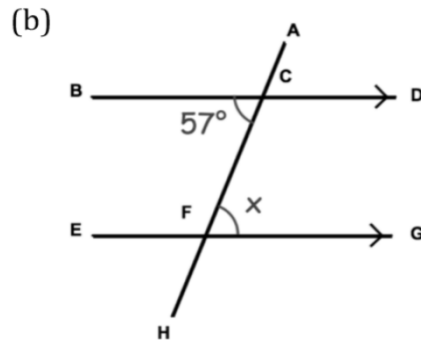
Angles in Parallel lines (Q7)



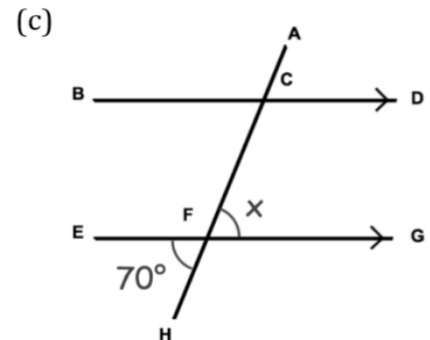
- Which angle is corresponding to angle c ?
- Which angle is alternate to angle d ?
- Which angle is corresponding to angle h ?
- Which angle is vertically opposite to angle a ?
- Which angle is alternate to angle e ?
- Which angle is co-interior with angle c ?
- Which angle is vertically opposite to angle h ?
- Which angle is co-interior with angle e ?
- Which angle is corresponding to angle a ?
- Which angle is vertically opposite to angle g ?



$x =$ _____
 because _____



$x =$ _____
 because _____



$x =$ _____
 because _____

Subject of a Formula (Q10b)

minimally different questions

Rearrange so that "x" is the subject

a. $x + 2 = y$

c. $2x + 1 = y$

b. $2x = y$

d. $2x - 1 = y$

e. $2(x + 1) = y$

g. $2(2x - 1) = 2y$

f. $2(x - 1) = 2y$

h. $2(2x + 1) = 2y + 1$

i. $x^2 = y$

k. $x^2 - 3 = y$

j. $x^2 + 3 = y$

l. $(x + 3)^2 = y$

Percentage change/profit (Q15a)

1. I buy a box of 50 red pens for £3.
I sell every one for 10p.
What is my percentage profit?

 2. Tom buys a pack of 20 cans of coke for £10.
He sells each one for 60p each.
What is his percentage profit?

 3. David buys a 6 pack of lucozade for £3.
He sells each one for 90p.
What is his percentage profit?
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4. Mr Neill buys a box of black pens for £8.
There are 200 pens in each box.
160 of them are sold for 10p each. The other 40 go missing.
What percentage profit/loss has he made?

 5. Mr Roberts buys 30 calculators for £5.50 each.
He sells half of them for £8 each.
He sells 10 of them for £6.
The rest are stolen!
What percentage profit/loss has he made?

5. Mr Roberts buys new football boots in a sale.

The sale sign said 30% off.

He paid £49 for them.

How much were they originally?

Forming and Solving Equations (Q20)

