

Task A:

Question 1: Think of different ways to calculate 16×9

Question 2: Think of different ways to calculate 20×18

Question 3: Rank these questions by difficulty. Explain your choice.

23×25

16×25

39×20

Task B:

Question 1: Think of different ways to calculate 18×24

Question 2: Think of different ways to calculate 3.5×12

Question 3: Rank these questions by difficulty. Explain your choice.

39×20

27×26

4.9×8

16×45

Extend:

Design your own set of three or four 'rank by difficulty' multiplication questions. Think about the different strategies that can be used to answer your questions. **Test them out on someone!**

Possible Answers Task A:

Q1: Double 8×9 or $160 - 16$ or $90 + 54$

Q2: Double 9×30 or $400 - 40$ or $200 + 160$

Q3: Possible strategies: double and halve for 16×25 . For 39×20 , do 40×20 then subtract 20.

Possible Answers Task B:

Q1: 9×48 or $480 - 48$

Q2: 7×6 or $36 + 6$

Q3: Possible strategies: For 39×20 , do 40×20 then subtract 20. For 4.9×8 , do 5×8 then subtract 0.8. Double and halve for 16×45 .