1. LEMONADE

Some children are making lemon cordial concentrate by mixing lemon juice and sugar:

(i) John uses 3 spoonfuls of sugar and 12 spoonfuls of lemon juice
    Mary uses 5 spoonfuls of sugar and 20 spoonfuls of lemon juice

    Whose lemonade is sweeter?  
    (Circle one)  
    John’s  Mary’s  Both the same

    Explain why here:

(ii) Dave uses 3 spoonfuls of sugar and 9 spoonfuls of lemon juice
     Ann uses 5 spoonfuls of sugar and 14 spoonfuls of lemon juice

    Whose lemonade is sweeter?  
    (Circle one)  
    Dave’s  Ann’s  Both the same

    Explain why here:

(iii) Ed uses 3 spoonfuls of sugar and 10 spoonfuls of lemon juice
     Rose uses 9 spoonfuls of sugar and 27 spoonfuls of lemon juice

    Whose lemonade is sweeter?  
    (Circle one)  
    Ed’s  Rose’s  Both the same

    Explain why here:

(v) Howard uses 3 spoonfuls of sugar and 7 spoonfuls of lemon juice
    Marion uses 5 spoonfuls of sugar and 9 spoonfuls lemon juice

    Whose lemonade is sweeter?  
    (Circle one)  
    Howard’s  Marion’s  Both the same

    Explain why here:

2. MR SHORT and MR TALL

You can see the height of Mr Short measured with paper clips.
Mr Short has a friend called Mr Tall.
When we measure their heights with matchsticks
Mr Short’s height is 4 matchsticks
Mr Tall’s height is 6 matchsticks.

How many paper clips are needed for Mr Tall?

ANSWER:______________

Show your working here: