

There are 32 children in class 6. Their teacher, Mr Jones, decides that he wants four tables in his room and he needs to equip each table with pens, pencils, rulers, colour pencils, rubbers, pencil sharpeners, whiteboards and whiteboard pens. He needs enough equipment so that each person can have the following number of items over the course of the year:

Name of Item	Number required per person for the year
Pen	6
Pencil	6
Colour pencils (per table of 8 people)	3 packets
Rubbers (per table of 8 people)	4
Pencil sharpeners (per table of 8 people)	2
Whiteboards	1
Whiteboard pens	6
Ruler	1

Each item is bought in different packets which are priced as shown below. You cannot buy packs of the items less than those shown.

Name of Item and pack size	Price
Pen (10 in each pack)	£3.78
Pencil (12 in each pack)	£1.40
Colour pencils (individual packs of 12 colours)	£1.96
Rubbers (24 in each pack)	70p
Pencil sharpeners (6 in each pack)	£7.86
Whiteboards (10 in each pack)	£6.40
Whiteboard pens (20 in each pack)	£5.89
Ruler (10 in each pack)	£1.35

Important information to consider:

There are 32 children in Class 6.

Some items need to be provided on the basis of each person having what they need, eg pens, rulers and pencils.

Other items may be provided to the whole table, eg rubbers and pencil sharpeners.

How much of each item will Mr Jones need to make sure his class can continue to function?

How much must Mr Jones spend on each item?

What is the total cost of the equipment that Class 6 need?

Mr Jones has a budget of £80 to spend on the equipment for his class. Is this enough money?