

A piece of wood is 180cm long.

Tom cuts it into three pieces in the ratio 2:3:4

Work out the length of the longest piece.

Number of parts 2+3+4=9

Each part 180:9=20

2:3:4 *20 ×20 40:60:80

The longest piece is 80cm

(3)



Sylvie shares £45 between Ann, Bob and Cath in the ratio 3:2:4

Work out the amount each person gets.

$$3+2+4=9$$
 parts $45=9=45$

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A box contains milk chocolates and dark chocolates only.

The number of milk chocolates to the number of dark chocolates is in the ratio 2:1

There are 24 milk chocolates.

Work out the total number of chocolates.

Milk: dark 2:1 24:?

The total number of chocolates = 24+12 = 36

(2)



A school's mathematics department spend money on books, photocopying and computer software in the ratio 3:5:6. The department spends £1200 on photocopying.

Find the total expenditure. 3×£240 - 720 Total spend = £3360 1200 720

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This is simple than itappears at first

Jim has only 5p coins and 10p coins.

The ratio of the number of 5p coins to the number of 10p coins is 2:3

Work out the ratio of

the total value of 5p coins: the total value of 10p coins Give your answer in its simplest form.

Ratoof NUMBER 5 p cours: 10 p coins (2) 2:3
Ratoof VALLE 10p:30p.

this can be simplified to 1:3

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This is just one method of solving this question.

Pat and Julie share some money in the ratio 2:5

Julie gets £45 more than Pat.

How much money did Pat get?

P: J Julie gets £45 more and has 3 parts more than Pat so 1 part = £15 £30 £75 £30 (3)

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