1 Class 4 are multiplying 28 × 4 mentally.

They are trying two different methods.

a) Complete their calculations.

Method 1
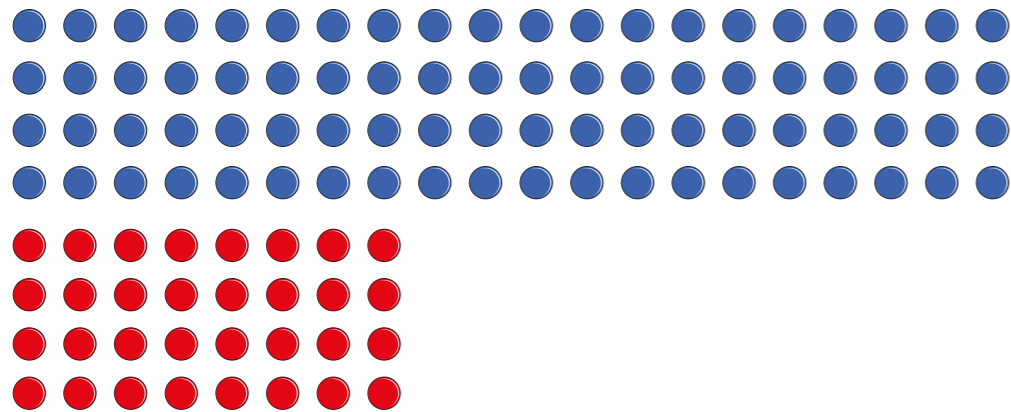
$20 × 4 + 8 × 4 = \boxed{} + \boxed{} = \boxed{}$

Method 2
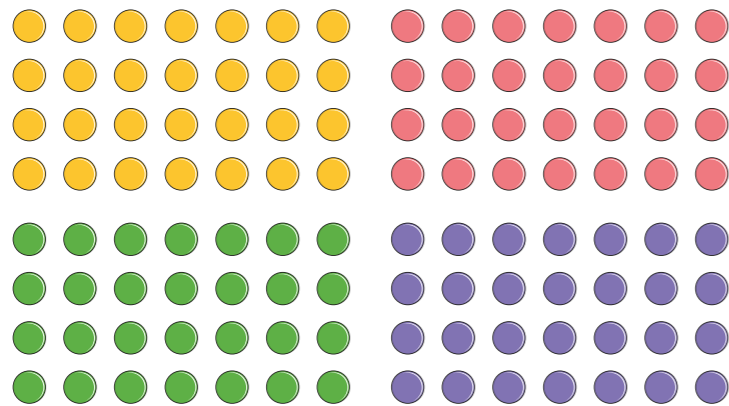
$4 × \boxed{} = \boxed{}$

b) Which method do you find easier?

Talk about it with a partner.

c) What other methods could you use to work out 28 × 4?

_____

_____

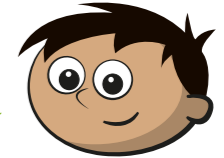**2** Mo, Amir and Annie worked out 35 × 6 in 3 different ways.
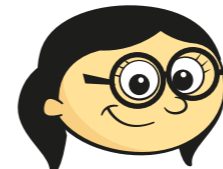
I multiplied 30 by 6 and then added 5 more lots of 6

Mo

I multiplied 35 by 2, then multiplied that answer by 3

Amir

I multiplied 5 by 6, then multiplied that answer by 7

Annie

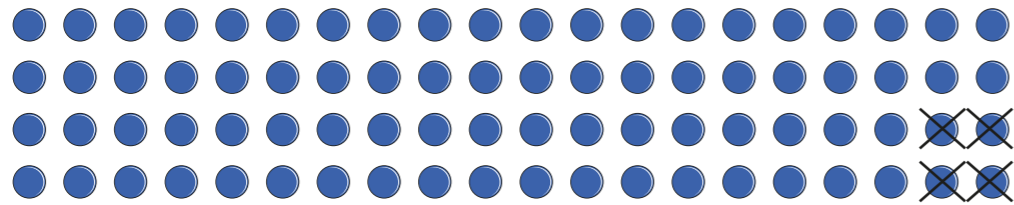**a)** Work out the answer using each method to show that they are all correct.

Mo

Amir

Annie

b) Who has used the most efficient method?

Talk about it with a partner.

3 Scott is working out 21 × 4

20 × 4 = 80
80 − 4 = 76
21 × 4 = 76

a) What mistake has Scott made?

_____

b) What is the correct answer?

4 Jack works out 36 × 9

36 × 9
36 × (10 − 1)
360 − 36 = 324

Adapt Jack's method to work out 36 × 99

36 × 99 =

5 Esther has found a quick way to multiply 84 by 5

84 × 5
84 × 10 = 840
(then divide by 2) which is 420

Use Esther's method to complete the calculations.

43 × 5 =   74 × 5 =

62 × 5 =

6 Tommy and Dora are both working out 25 × 8

25 × 8 = 25 × 10 − 25 × 2

a) Use Tommy's method to work out the answer.

25 × 8 = 50 × 8 ÷ 2

b) Use Dora's method to work out the answer.

c) Whose method do you prefer? Why?

_____

d) Do you know another method?