Session 2– Multiplication 3 digits by 2 digits

Tricky		Trickier 3 x 2 digit	Trickiest 3 x 2 digit
Complete the multiplications.		34 x 123 =	142x31=
a)		45 x 234 =	214x53=
		466 x 22 =	337x46=
		453 x 21 =	24x183=
		786 x 14 =	
		17 x 122=	
		11 x 465 =	
b)		671 x 13=	
Then have a look at the trickier questions			

Complete the multiplications.

a)

	2	3	1
×		1	3
6	9	3	(231 × 3)
2	3	1	0	(231 × 10)

b)

	5	1	2
×		2	4
2₂	0	4	8
1₁	0	2	4	0

(☐ × ☐)
(☐ × ☐)

Extra challenge questions

Miss Rose is ordering some pencils.

She orders 17 of pack A, 14 of pack B and 4 of pack C.

Pack A   Pack B   Pack C
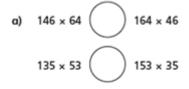
20   **100**

How many pencils does Miss Rose order?

A football pitch is 128m long and 52 m wide

What is the area of the pitch?

Each pencil costs 16p.

How much does Miss Rose spend on pencils?

Write >, < or = to complete each statement.

a)   146 × 64 ◯ 164 × 46

135 × 53 ◯ 153 × 35

b) What do you notice?

Does this always happen?

Pencils come in boxes of 64
A school bought 270 boxes.
Rulers come in packs of 46
A school bought 720 packs.
How many more rulers were ordered than pencils?

Answers

Tricky	Trickier	Trickiest
a) 	4 3 × 1 3 1, 2 9 (43 × 3) 4 3 0 (43 × 10) 5 5 9 c) 	2 1 × 2 5 1 0 5 (21 × 5) 4 2 0 (21 × 20) 5 2 5 b) 	2 1 × 1 6 1, 2 6 2 1 0 3 3 6 (21 × 6) (21 × 10)	34 × 123 =4,182 45 × 234 =10,530 466 × 22 =10,252 453 × 21 =9,513 786 × 14 =11,004 17 × 122=2,074 11 × 465 =5,115 671 × 13=8,723	142x31=4,402 214x53=11,342 337x46=15,502 24x183=4,392

Extra challenge questions

Miss Rose is ordering some pencils.

She orders 17 of pack A, 14 of pack B and 4 of pack C.

Pack A   Pack B   Pack C

20   100

How many pencils does Miss Rose order?

697

Each pencil costs 16p.

How much does Miss Rose spend on pencils?

£111·52

Write >, < or = to complete each statement.

a) 146 × 64 (>) 164 × 46
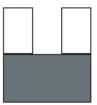
135 × 53 (>) 153 × 35

A football pitch is 128m long and 52 m wide

What is the area of the pitch? 6,656m^2

Pencils come in boxes of 64
A school bought 270 boxes.
Rulers come in packs of 46
A school bought 720 packs.
How many more rulers were ordered than pencils?   15,840

a) What is the area of this compound shape?

2,022 m^2

b) What is the area of the shaded part?