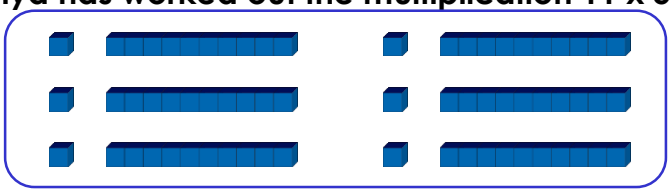
11 and 12 Times Table

1. True or false? Priya has worked out the multiplication 11 x 5 correctly, using Base 10.



60	+	6	=	66
10 x 6		1 x 6		

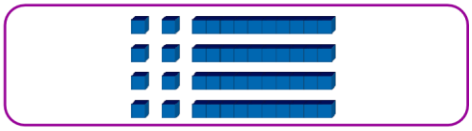
VF HW/Ext

2. Match the calculations below to the correct answers.

A.

B.

C.



		1.	4 lots of 12
=		2.	8 x 11
		3.	5 x 10 + 5 x 2

VF HW/Ext

3. Shabnam and Jethro want to find the answer to 12 x 6, using Base 10.

Shabnam

12 x 6 = 72 because

= 10 x 6 = 60

= 2 x 6 = 12

so, 60 + 12 = 72

12 x 6 = 76 because

= 11 x 6 = 66

so, 66 + 12 = 78

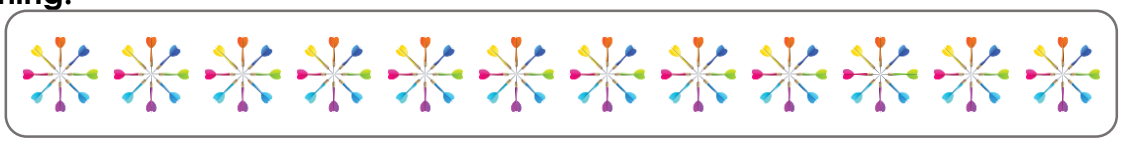
Jethro

D

Who do you agree with? Explain your answer.

RPS HW/Ext

4. True or false? Sid has worked out the multiplication 12 x 8 incorrectly, using partitioning.



E

80	+	16	=	96
10 x 8		2 x 8		

VF HW/Ext

5. Match the calculations below to the correct answers.

A.	4 x 10 + 4 x 1		1.	5
B.	60 ÷ 12	=	2.	108
C.	88 ÷ 11		3.	8
D.	9 lots of 12		4.	44

VF HW/Ext

6. CJ and Danielle want to find the answer to 11 x 9.

CJ

11 x 9 = 99 because it's the same as 9 x 11 and 9 x 11 = 99.

11 x 9 = 98 because 12 x 9 = 108 so 108 – 9 = 98.

Danielle Who do you agree with? Explain your answer.

RPS HW/Ext

11 and 12 Times Table

7. True or false? Sandy has worked out the multiplication 12 x 11 correctly, using partitioning.

12 x 11 = 134

4 x 11	3 x 11	2 x 12	3 x 11
44	+ 33	+ 24	+ 33

GD

VF HW/Ext

8. Match the calculations below to their missing number or symbol.

A. 4 x 11 = □4

B. 72 □ 12 = 6

C. 1□2 ÷ 11 = 12

D. 12 x □ = 108

E. □3 ÷ 11 = 3

F. □8 = 4 x 12

G. 60 = 5 □ 12

H. 77 □ 11 = 7

9 | x | ÷ | 3 | 4

GD

VF HW/Ext

9. Cathy, Stuart and Jorgen want to find the answer to 12 x 12.

Cathy

12 x 12 = 122 because the same digits in the question must be used in the answer.

12 x 12 = 133 because 11 x 11 = 121. 121 + 12 = 133.

Stuart

Jorgen

12 x 12 = 144 because 12 x 10 = 120. 12 x 2 = 24. In total, 120 + 24 = 144.

Who do you agree with? Explain your answer.

GD

RPS HW/Ext

Extension 11 and 12 Times Table

Answers

1. False, because Priya has worked out 11 x 6. There are 6 lots of Base 10 used in her diagrams.
2. A = 3; B = 2 and C = 1
3. Shabnam is correct, because she has partitioned 12 into 1 ten and 2 ones. Jethro has added 12 onto 66 instead of adding 6.

4. False, because Sid's working out is correct.
5. A = 4; B = 1; C = 3 and D = 2
6. CJ is correct, because 11 x 9 and 9 x 11 both have the same answer, which is 99.

7. False, because 12 x 11 = 132 not 134. Sandy has incorrectly multiplied 2 by 12 instead of 11.
8. A = 4; B = ÷; C = 3; D = 9; E = 3; F = 4; G = x; H = ÷
9. Jorgen is correct, because he has accurately partitioned 12 into 1 ten and 2 ones. Cathy and Stuart's statements are both inaccurate.