Homework/Extension
Step 1: 11 and 12 Times Table

National Curriculum Objectives:

Mathematics Year 4: (4C6a) Recall multiplication and division facts for multiplication tables up to 12 × 12
Mathematics Year 4: (4C7) Multiply two-digit and three-digit numbers by a one-digit number using formal written layout
Mathematics Year 4: (4C8) Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as *n* objects are connected to *m* objects

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)
Developing Decide whether a statement is true or false, using knowledge of the 11 times table, up to 12 x 11. Pictorial support included.
Expected Decide whether a statement is true or false, using knowledge of the 12 times table. Includes a number that has been partitioned in two ways. Pictorial support included.
Greater Depth Decide whether a statement is true or false, using knowledge of the 11 and 12 times table. Includes a number that has been partitioned in four ways.

Questions 2, 5 and 8 (Varied Fluency)
Developing Match statements to the correct answers, using knowledge of the 11 and 12 times tables. Pictorial support included.
Expected Match statements to the correct answers, using knowledge of the 11 and 12 times tables.
Greater Depth Match statements to the correct missing number or symbol, using knowledge of the 11 and 12 times tables.

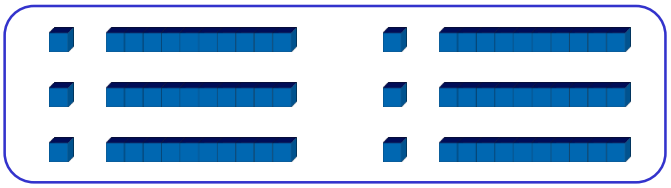
Questions 3, 6 and 9 (Reasoning)
Developing Decide which statement is correct and explain why, using knowledge of the 12 times table. Includes two statements. Pictorial support included.
Expected Decide which statement is correct and explain why, using knowledge of the 11 and 12 times tables. Includes two different statements.
Greater Depth Decide which statement is correct and explain why, using knowledge of the 11 and 12 times tables. Includes three different statements.

More Year 4 Multiplication and Division resources.

Did you like this resource? Don't forget to review it on our website.

11 and 12 Times Table

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



10 x 6

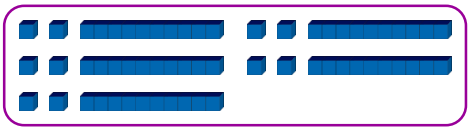
1 x 6

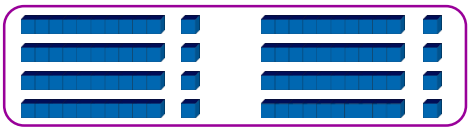
60	+	6	=	66

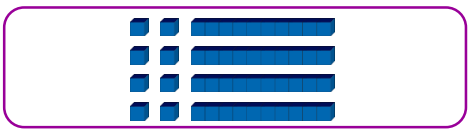
D

VF
HW/Ext

2. Match the calculations below to the correct answers.

A. 

B. 

C. 

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

D

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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

Who do you agree with? Explain your answer.

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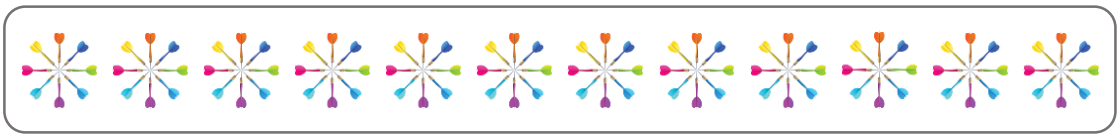
11 and 12 Times Table

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



10 x 8		2 x 8		
80	+	16	=	96

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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

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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
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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

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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

9

x

÷

3

4

E. ☐3 ÷ 11 = 3

F. ☐8 = 4 x 12

G. 60 = 5 ☐ 12

H. 77 ☐ 11 = 7

GD

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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

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11 and 12 Times Table

Developing

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.

Expected

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.

Greater Depth

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.