Reasoning and Problem Solving
Step 9: The 10 Times Table

National Curriculum Objectives:

Mathematics Year 2: (2C6) Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
Mathematics Year 2: (2C7) Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs

Differentiation:

Questions 1, 4 and 7 (Problem Solving)
Developing Match the multiplication equations to the correct Base 10. Questions to support applying knowledge of the 10 times table. Pictorial support given.
Expected Match the multiplication equations to the correct answer. Questions to support applying knowledge of the 10 times table, including multiplying by 0.
Greater Depth Match the multiplication equations to the correct answer. Questions to support applying knowledge of the 10 times table beyond 12 x 10 by using multiplication facts.

Questions 2, 5 and 8 (Reasoning)
Developing Explain if a given statement is correct. Questions to support applying knowledge of the 10 times table. Pictorial support given.
Expected Explain if a given statement is correct. Questions to support applying knowledge of the 10 times table.
Greater Depth Explain if a given statement is correct. Questions to support applying knowledge of the 10 times table beyond 12 x 10 by using multiplication facts.

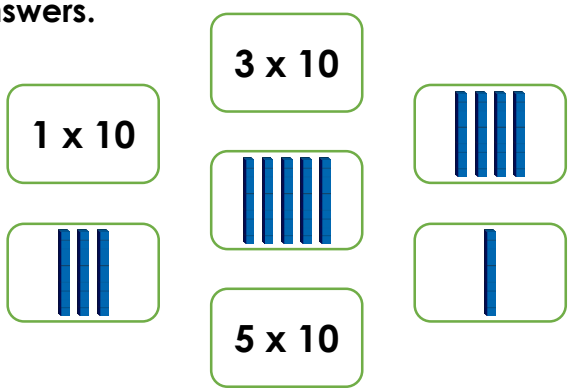
Questions 3, 6 and 9 (Reasoning)
Developing Solve a one step word problem. Questions to support applying knowledge of the 10 times table. Pictorial support given.
Expected Solve a two step word problem. Questions to support applying knowledge of the 10 times table. Pictorial support given.
Greater Depth Solve a two step word problem. Questions to support applying knowledge of the 10 times table beyond 12 x 10 by using multiplication facts. Limited pictorial support.

More Year 2 Multiplication and Division resources.

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

The 10 Times Table

1a. Match the calculations to the correct answers.



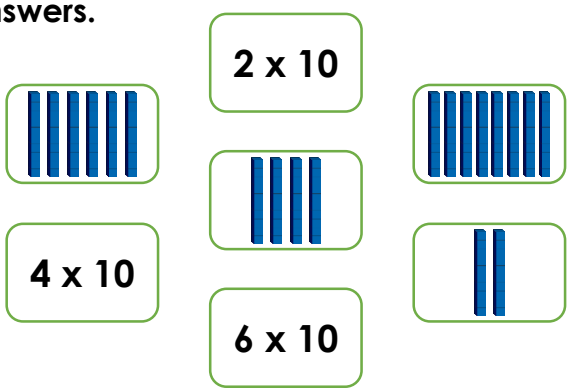
Write two multiplications to match the odd one out.

D

PS

The 10 Times Table

1b. Match the calculations to the correct answers.



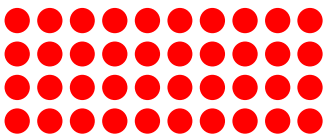
Write two multiplications to match the odd one out.

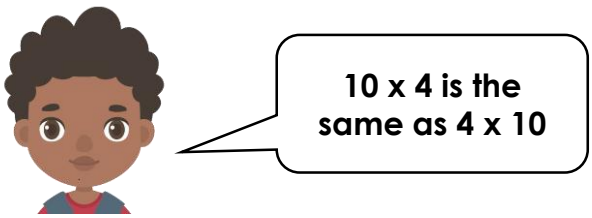
D

PS

2a. Fabian is solving multiplications.

He says,





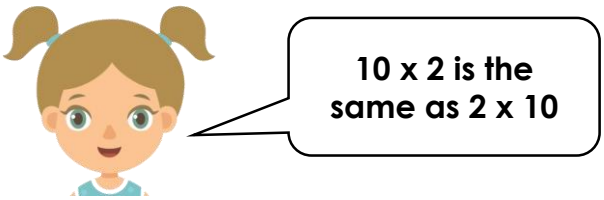
Is he correct? Explain your answer.

D

R

2b. Emily is solving multiplications.

She says,



Is she correct? Explain your answer.

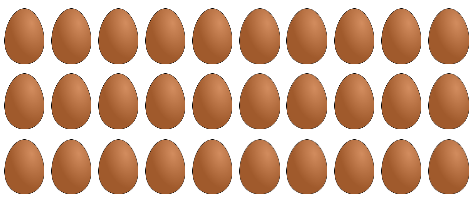
D

R

3a. Eggs are sold in boxes of 10.

Louise buys 3 boxes.

How many eggs does she have?



Explain how you know.

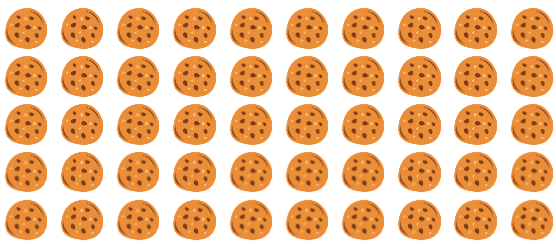
D

R

3b. Cookies are sold in bags of 10.

Adrian has 5 bags.

How many cookies does he have?



Explain how you know.

D

R

The 10 Times Table

4a. Match the calculations to the correct answers.

50	10 x 8	0
	70	
80		10 x 0
	7 x 10	

Write two multiplications to match the odd one out.

E PS

The 10 Times Table

4b. Match the calculations to the correct answers.

90	4 x 10	110
	40	
70		9 x 10
	11 x 10	

Write two multiplications to match the odd one out.

E PS

5a. Josie is solving multiplications.

She says,

10 x 7 is the same as 7 x 10

Is she correct? Explain your answer.

E R

5b. Yusef is solving multiplications.

He says,

10 x 3 is the same as 6 x 10

Is he correct? Explain your answer.

E R

6a. Blueberries are sold in packs of 10.

Sara has 40 blueberries.

How many packs did she buy?

If Sara eats 1 pack, how many blueberries will she have left?

Explain how you know.

E R

6b. Pencils are sold in packs of 10.

Harry has 20 pencils.

How many packs did he buy?

If Harry gives 1 pack to a friend, how many pencils will he have left?

Explain how you know.

E R

The 10 Times Table

7a. Match the calculations to the correct answers.

8 x 10 10 x 10	180	120
130	3 x 10 10 x 10	10 x 10 5 x 10
	150	

Write two multiplications to match the odd one out.

GD PS

The 10 Times Table

7b. Match the calculations to the correct answers.

170	10 x 10 4 x 10	140
9 x 10 10 x 10	190	160
	10 x 10 6 x 10	

Write two multiplications to match the odd one out.

GD PS

8a. Jake is solving multiplications.

He says,

To solve 14 x 10, I can use 10 x 10 and 4 x 10, then add the answers.

Is he correct? Explain your answer.

GD R

8b. Laura is solving multiplications.

She says,

To solve 16 x 10, I can use 9 x 10 and 7 x 10, then add the answers.

Is she correct? Explain your answer.

GD R

9a. Sweets are sold in jars of 10.

Jess and Lucy have 110 sweets.

Jess bought 5 jars of sweets. How jars many did Lucy buy?

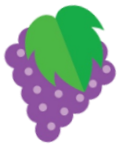
If Lucy eats 1 jar of sweets, how many sweets will Jess and Lucy have left?

Explain how you know.

GD R

9b. There are 10 grapes in each bunch

Tim and Milo have 120 grapes.



Tim bought 6 bunches of grapes. How many bunches did Milo buy?

If Tim eats 3 bunches, how many grapes will Tim and Milo have left?

Explain how you know.

GD R

Reasoning and Problem Solving
The 10 Times Table

Developing

1a. 3 x 10 = 30, 1 x 10 = 10, 5 x 10 = 50; The odd one out is 40; 4 x 10 = 40, 10 x 4 = 40

2a. Fabian is correct because both 4 x 10 and 10 x 4 = 40.

3a. Louise has 30 eggs because she has 3 boxes with 10 in each box; 3 x 10 = 30.

Expected

4a. 10 x 8 = 80, 7 x 10 = 70, 10 x 0 = 0; The odd one out is 50: 5 x 10 = 50, 10 x 5 = 50

5a. Josie is correct because both 7 x 10 and 10 x 7 = 70.

6a. Sara bought 4 packs of blueberries. If she eats 1 pack she will have 30 blueberries left because 4 – 1 = 3 and 3 x 10 = 30.

Greater Depth

7a. 8 x 10 and 10 x 10 = 180, 10 x 10 and 5 x 10 = 150, 3 x 10 and 10 x 10 = 130; The odd one out is 120: various answers, for example: 6 x 10 and 6 x 10 = 120

8a. Jake is correct because 10 x 10 = 100, 4 x 10 = 40 and 100 + 40 = 140.

9a. Lucy bought 6 jars of sweets. If Lucy eats 1 jar of sweets then they will have 100 sweets left because 1 x 10 = 10, 110 – 10 = 100 and 100 = 10 x 10

Reasoning and Problem Solving
The 10 Times Table

Developing

1b. 4 x 10 = 40, 2 x 10 = 20, 6 x 10 = 60; The odd one out is 80: 8 x 10 = 80, 10 x 8 = 80

2b. Emily is correct because both 10 x 2 and 2 x 10 = 20.

3b. Adrian has 50 cookies because he has 5 bags with 10 in each bag; 5 x 10 = 50.

Expected

4b. 9 x 10 = 90, 4 x 10 = 40, 11 x 10 = 110; The odd one out is 70: 7 x 10 = 70, 10 x 7 = 70

5b. Yusef is incorrect because 10 x 3 = 30 but 6 x 10 = 60.

6b. Harry bought 2 packs of pencils. If he gives 1 pack to a friend he will have 10 pencils left because 2 – 1 = 1 and 1 x 10 = 10.

Greater Depth

7b. 10 x 10 and 4 x 10 = 140, 10 x 10 and 6 x 10 = 160, 9 x 10 and 10 x 10 = 190; The odd one out is 170: various answers, for example: 9 and 10 and 8 x 10 = 170

8b. Laura is correct because 9 x 10 = 90, 7 x 10 = 70 and 90 + 70 = 160.

9b. Milo bought 6 bunches of grapes. If Tim eats 3 bunches of grapes there will be 90 grapes left because 3 x 10 = 30, 120 – 30 = 90, 90 = 10 x 9