Varied Fluency
Step 8: Scaling

National Curriculum Objectives:

Mathematics Year 3: (3C6) Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables

Mathematics Year 3: (3C8) <u>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects</u>

Differentiation:

Developing Questions to support the understanding of scaling. Includes facts from the 2, 3 and 5 times tables.

Expected Questions to support the understanding of scaling. Includes facts from the 3, 4 and 8 times tables.

Greater Depth Questions to support the understanding of scaling. Includes using known facts to solve problems from the 6 times tables and problems beyond 12x.

More Year 3 Multiplication and Division resources.

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



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Varied Fluency – Scaling – Teaching Information

Scaling 1a. Match the numbers on the left to the numbers which are 2 times smaller than them. 1b. A num them.

<u>Scaling</u>

num	1b. Match the numbers on the left to the numbers which are 3 times bigger than them.					
	3	21				
	7	18				
	6	9				
	4	12				
回		VF				



12

24

6

2a. How many times bigger than 5 is 35?

Circle the correct answer.

4

2

7

5

2b. How many times smaller than 20 is 2?

Circle the correct answer.

3

8

10

7



3a. True or false?

3b. True or false?

11 is 3 times smaller than 33.

25 is 5 times bigger than 4.





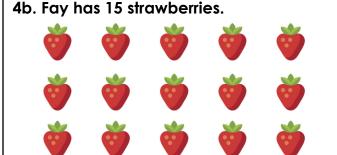
4a. Alex has 5 toy cars.



Bella has 6 times more cars than him.

How many cars does Bella have?





Greg has 3 times less strawberries.

How many strawberries does Greg have?





<u>Scalin</u>	<u>Scaling</u>				
5a. Match the numbers of numbers which are 3 times them.	5b. Match the numbers on the left to the numbers which are 4 times bigger than them.				
36	9	6			36
21	11	9			32
27	7	12			24
33	12	8			48
6a. How many times bigg	6b. How many times smaller than 40 is 8?				
Circle the correct answe	Circle the correct answer.				
7 10	9 12	11	5	10	8
	V	F			VF
7a. True or false?	7b. True or false?				
6 is 8 times smal	33 is 3 times bigger than 12.				
	V	F			VF
8a. Danny has 9 sweets.		8b. Tia has 64 flowers in her garden.			
				*	***

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Seth has 8 times less flowers in his garden.

How many flowers does Seth have?



Lily has 3 times more sweets than him.

How many sweets does Lily have?

<u>Scaling</u>		<u>Scaling</u>			
9a. Match the numbers on numbers which are 3 times them.	9b. Match the numbers on the left to the numbers which are 6 times bigger than them.				
39	14	4			48
45	17	3			36
42	13	8			18
51	15	6			24
10a. How many times bigg	10b. How many times smaller than 60 is 3?				
Circle the correct answer.	Circle the correct answer.				
13 20 1	5 12	10	20	12	14
	VF				VF
11a. True or false?	11b. True or false?				
7 is 6 times smaller than 42.		104 is 8	3 times b	oigger th	nan 12.
	VF				VF
12a. Milly has 20 pencil cro	12b. James made 64 cupcakes.				
					4



Sarah made 4 times less than him.

How many cupcakes did Sarah make?



Ali has 8 times more than her.

How many pencil crayons does Ali have?

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Developing

1a. 18 and 9, 12 and 6, 24 and 12, 6 and 3

2a.

3a. True

4a. 30

Expected

5a. 36 and 12, 21 and 7, 27 and 9, 33 and

11

6a. 12

7a. True

8a. 27

Greater Depth

9a. 39 and 13, 45 and 15, 42 and 14, 51

and 17

10a. 15

11a. True

12a. 160

<u>Developing</u>

1b. 3 and 9, 7 and 21, 6 and 18, 4 and 12

2b. 10

3b. False, 25 is 5 times bigger than 5. 20 is 5 times bigger than 4.

4b. 5

Expected

5b. 6 and 24, 9 and 36, 12 and 48, 8 and

32

6b. 5

7b. False, 33 is 3 times bigger than 11. 36 is

3 times bigger than 12.

8b. 8

Greater Depth

9b. 4 and 24, 3 and 18, 8 and 48, 6 and 36

10b. 20

11b. False, 96 is 8 times bigger than 12.

104 is 8 times bigger than 13.

12b. 16

