Varied Fluency Step 6: Cube Numbers

National Curriculum Objectives:

Mathematics Year 5: (5C5d) <u>Recognise and use square numbers and cube numbers, and</u> the notation for squared (2) and cubed (3)

Differentiation:

Developing Questions to support the recognition and use of cube numbers. Includes the first 5 cube numbers.

Expected Questions to support the recognition and use of cube numbers. Includes the first 12 cube numbers.

Greater Depth Questions to support the recognition and use of cube numbers. Includes the first 12 cube numbers and applying knowledge of square numbers.

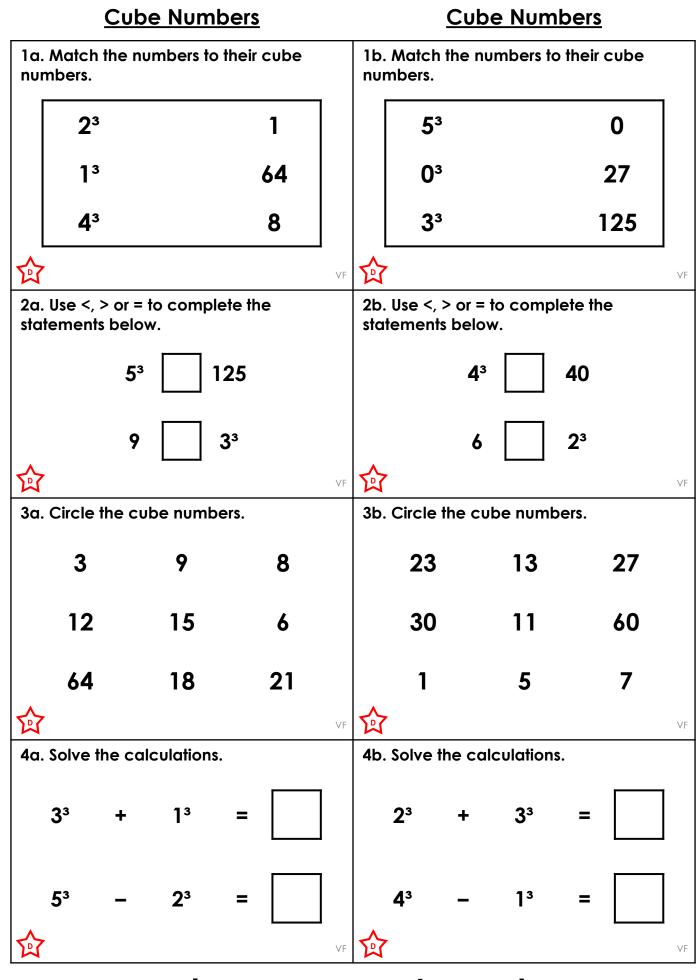
More <u>Year 5 Multiplication and Division</u> resources.

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



© Classroom Secrets © Classroom Secrets Limited 2018

Varied Fluency – Cube Numbers – Teaching Information



classroomsecrets.co.uk

CLASSROOM Secrets © Classroom Secrets Limited 2018

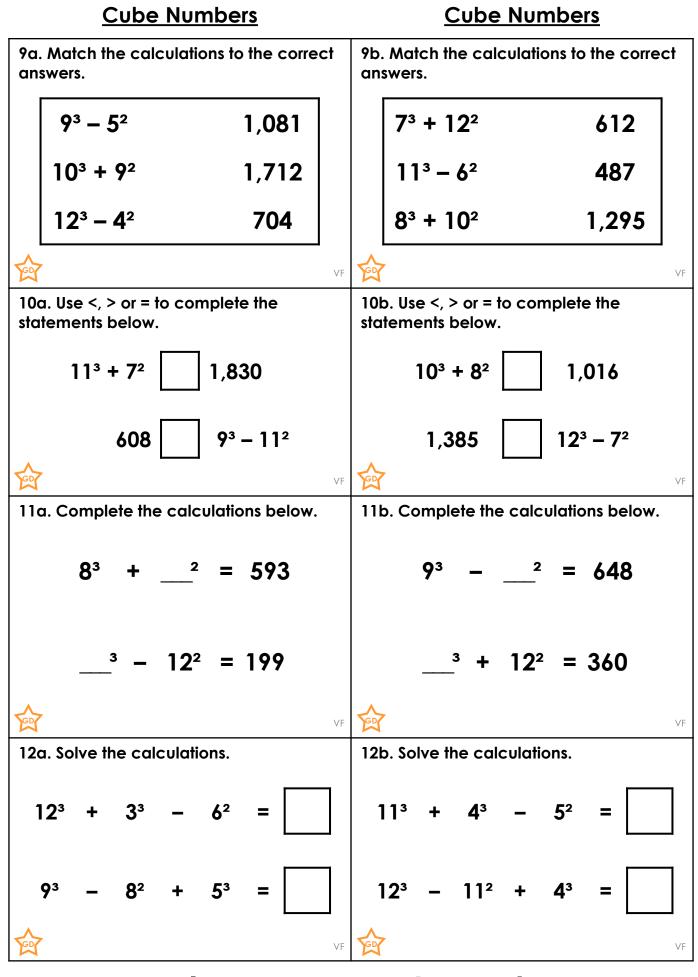
Varied Fluency - Cube Numbers - Year 5 Developing

<u>Cube I</u>	Numbers	Cube	e Numbers
5a. Match the numbers to their cube numbers.		5b. Match the numbers to their cube numbers.	
6 ³	216	8 ³	343
9 ³	125	12 ³	512
5 ³	729	7 ³	1,728
	VF		VF
6a. Use <, > or = to complete the statements below.6b. Use <, > or = to complete the statements below.			
73	434	10³	1,000
521	8 ³	215	5 ³
企	VF	企	VF
7a. Circle the cube numbers.		7b. Circle the cube numbers.	
999 2	.61 1,000	126	633 133
343 3	44 719	729	23 512
152 3	927	63	216 279
VF VF			
8a. Solve the calcul	ations.	8b. Solve the calculations.	
8 ³ +	2 ³ =	10³ +	4 ³ =
113 –	4 ³ =	9 ³ –	5 ³ =
	VF		VF

classroomsecrets.co.uk

© Classroom Secrets Limited 2018

Varied Fluency – Cube Numbers – Year 5 Expected



classroomsecrets.co.uk

CLASSROOM Secrets © Classroom Secrets Limited 2018

Varied Fluency – Cube Numbers – Year 5 Greater Depth

Varied Fluency Cube Numbers

Developing

1a. 2³ and 8; 1³ and 1; 4³ and 64 2a. =; < 3a. 8 and 64 4a. 28; 117

Expected

5a. 6³ and 216; 9³ and 729; 5³ and 125 6a. <; > 7a. 343 and 1,000 8a. 520; 1,267

Greater Depth

CLASSROOM Secrets

© Classroom Secrets Limited 2018

9a. 9³ - 5² and 704; 10³ + 9² and 1,081; 12³ - 4² and 1,712 10a. <; = 11a. 9; 7 12a. 1,719; 790

Varied Fluency Cube Numbers

Developing 1b. 5³ and 125; 0³ and 0; 3³ and 27 2b. >; < 3b. 1 and 27 4b. 35; 63

Expected 5b. 8³ and 512; 12³ and 1,728; 7³ and 343 6b. =; > 7b. 729, 512 and 216 8b. 1,064; 604

<u>Greater Depth</u> 9b. 7³ + 12² and 487; 11³ - 6² and 1,295; 8³ + 10² and 612 10b. >; < 11b. 9; 6 12b. 1,370; 1,671



Varied Fluency – Cube Numbers ANSWERS