Varied Fluency Step 5: Percentage of an Amount 2

National Curriculum Objectives:

Mathematics Year 6: (6R2) <u>Solve problems involving the calculation of Percentage [for</u> example, of measures, and such as 15% of 360] and the use of Percentage for comparison

Differentiation:

Developing Questions to support finding the percentage of an amount. Includes finding multiples of 10%. No conversions.

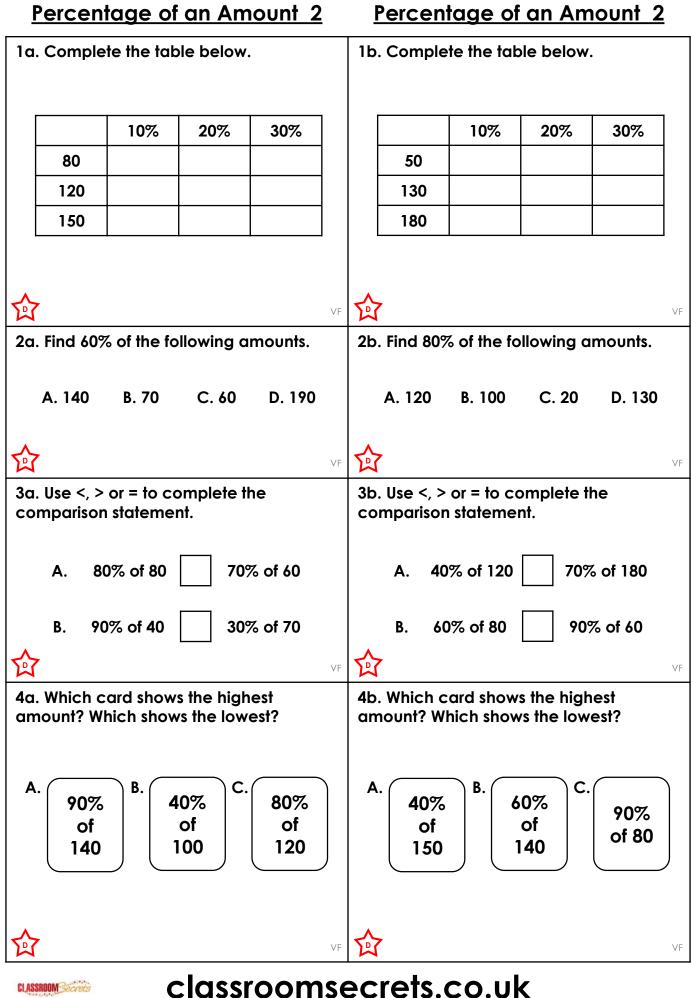
Expected Questions to support finding the percentage of an amount. Includes any multiple of 5% and 10%, with some multiples of 1%. Some conversions included.

Greater Depth Questions to support finding the percentage of an amount. Includes any percentage, including multiples of 0.5%. Conversions included. Answers may include decimal places.

More <u>Year 6 Percentages</u> resources.

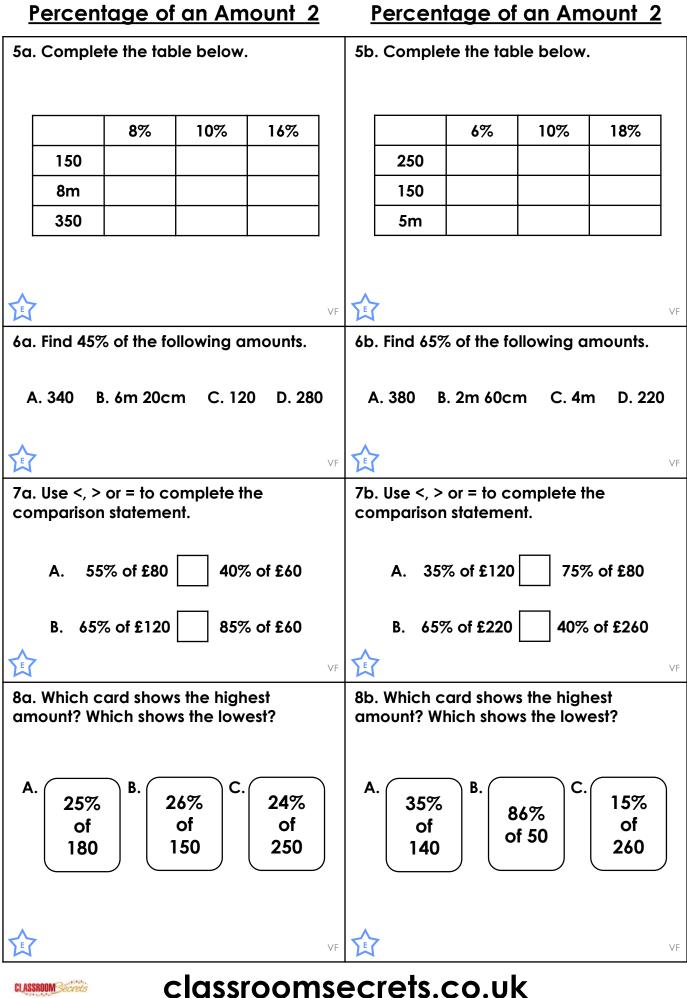
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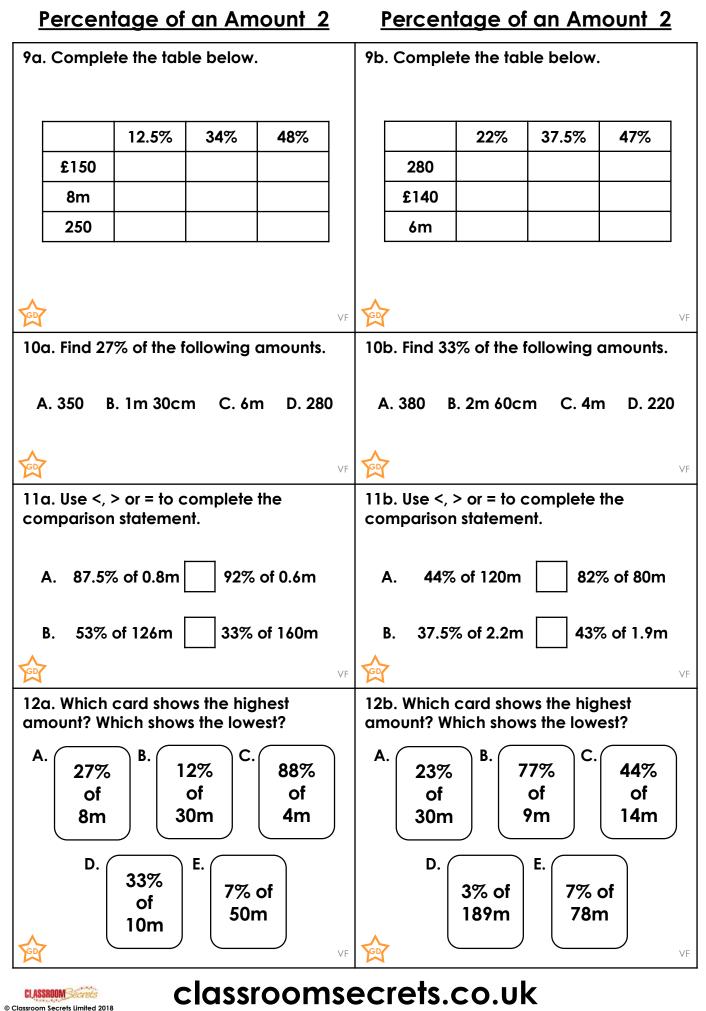
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Varied Fluency – Percentage of an Amount 2 – Year 6 Developing



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Varied Fluency – Percentage of an Amount 2 – Year 6 Expected



Varied Fluency – Percentage of an Amount 2 – Year 6 Greater Depth

Varied Fluency Percentage of an Amount 2

Varied Fluency Percentage of an Amount 2

Developing

1a.

	10%	20%	30%
80	8	16	24
120	12	24	36
150	15	30	45

2a. A. 84; B. 42; C. 36; D. 114 3a. A. >; B. > 4a. Highest = A; Lowest = B

Expected

5a.

	8%	10%	16%
150	12	15	24
8m	64cm	80cm	128cm
350	28	35	56

6a. A. 153; B. 2m 79cm; C. 54; D. 126 7a. A. >; B. > 8a. Highest = C; Lowest = B

<u>Greater Depth</u>

9a.

12.5% 34% 48% £150 £18.75 £51 £72 8m 1m 2.72m 3.84m 250 31.25 85 120

10a. A. 94.5; B. 35.1cm; C. 1.62m; D. 75.6 11a. A. >; B. > 12a. Highest = B; Lowest = A

Developing

1b.

	10%	20%	30%
50	5	10	15
130	13	26	39
180	18	36	54

2b. A. 96; B. 80; C. 16; D. 104 3b. A. <; B. <

4b. Highest = B; Lowest = A

Expected

5b.

	6%	10%	18%
250	15	25	45
150	9	15	27
5m	30cm	50cm	90cm

6b. A. 247; B. 1m 69cm; C. 2.6m; D. 143 7b. A. <; B. > 8b. Highest = A; Lowest = C

<u>Greater Depth</u>

9b.

	22%	37.5%	47%
280	61.6	105	131.6
£140	£30.80	£52.50	£65.80
6m	1. 32 m	2.25m	2.82m

10b. A. 125.4; B. 85.8cm; C.1.32m; D. 72.6 11b. A. <; B. >

12b. Highest = B; Lowest = E



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Varied Fluency – Percentage of an Amount 2 ANSWERS