Varied Fluency
Step 5: Percentage of an Amount 2

National Curriculum Objectives:

Mathematics Year 6: (6R2) Solve problems involving the calculation of Percentage [for 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 Year 6 Percentages resources.

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

1a. Complete the table below.

	10%	20%	30%
80			
120			
150			

VF

1b. Complete the table below.

	10%	20%	30%
50			
130			
180			

VF

2a. Find 60% of the following amounts.

A. 140   B. 70   C. 60   D. 190

VF

2b. Find 80% of the following amounts.

A. 120   B. 100   C. 20   D. 130

VF

3a. Use <, > or = to complete the comparison statement.

A.   80% of 80 ☐ 70% of 60

B.   90% of 40 ☐ 30% of 70

VF

3b. Use <, > or = to complete the comparison statement.

A.   40% of 120 ☐ 70% of 180

B.   60% of 80 ☐ 90% of 60

VF

4a. Which card shows the highest amount? Which shows the lowest?

A. 90% of 140   B. 40% of 100   C. 80% of 120

VF

4b. Which card shows the highest amount? Which shows the lowest?

A. 40% of 150   B. 60% of 140   C. 90% of 80

VF

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

5a. Complete the table below.

	8%	10%	16%
150			
8m			
350			

E   VF

5b. Complete the table below.

	6%	10%	18%
250			
150			
5m			

E   VF

6a. Find 45% of the following amounts.

A. 340   B. 6m 20cm   C. 120   D. 280

E   VF

6b. Find 65% of the following amounts.

A. 380   B. 2m 60cm   C. 4m   D. 220

E   VF

7a. Use <, > or = to complete the comparison statement.

A.   55% of £80 ☐ 40% of £60

B.   65% of £120 ☐ 85% of £60

E   VF

7b. Use <, > or = to complete the comparison statement.

A.   35% of £120 ☐ 75% of £80

B.   65% of £220 ☐ 40% of £260

E   VF

8a. Which card shows the highest amount? Which shows the lowest?

A. 25% of 180   B. 26% of 150   C. 24% of 250

E   VF

8b. Which card shows the highest amount? Which shows the lowest?

A. 35% of 140   B. 86% of 50   C. 15% of 260

E   VF

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

9a. Complete the table below.

	12.5%	34%	48%
£150			
8m			
250			

GD   VF

9b. Complete the table below.

	22%	37.5%	47%
280			
£140			
6m			

GD   VF

10a. Find 27% of the following amounts.

A. 350   B. 1m 30cm   C. 6m   D. 280

GD   VF

10b. Find 33% of the following amounts.

A. 380   B. 2m 60cm   C. 4m   D. 220

GD   VF

11a. Use <, > or = to complete the comparison statement.

A.   87.5% of 0.8m ☐ 92% of 0.6m

B.   53% of 126m ☐ 33% of 160m

GD   VF

11b. Use <, > or = to complete the comparison statement.

A.   44% of 120m ☐ 82% of 80m

B.   37.5% of 2.2m ☐ 43% of 1.9m

GD   VF

12a. Which card shows the highest amount? Which shows the lowest?

A. 27% of 8m   B. 12% of 30m   C. 88% of 4m

D. 33% of 10m   E. 7% of 50m

GD   VF

12b. Which card shows the highest amount? Which shows the lowest?

A. 23% of 30m   B. 77% of 9m   C. 44% of 14m

D. 3% of 189m   E. 7% of 78m

GD   VF

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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

Greater Depth
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

Greater Depth
9b.

	22%	37.5%	47%
280	61.6	105	131.6
£140	£30.80	£52.50	£65.80
6m	1.32m	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