

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.

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Percentage of an Amount 2

Percentage of an Amount 2

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

Percentage of an Amount 2

Percentage of an Amount 2

5a. Complete the table below.

	8%	10%	16%
150			
8m			
350			



VF

5b. Complete the table below.

	6%	10%	18%
250			
150			
5m			



VF

6a. Find 45% of the following amounts.

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



VF

6b. Find 65% of the following amounts.

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



VF

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

A. 55% of £80 40% of £60

B. 65% of £120 85% of £60



VF

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

A. 35% of £120 75% of £80

B. 65% of £220 40% of £260



VF

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

A.

25%
of
180

 B.

26%
of
150

 C.

24%
of
250



VF

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

A.

35%
of
140

 B.

86%
of
50

 C.

15%
of
260



VF

Percentage of an Amount 2

Percentage of an Amount 2

9a. Complete the table below.

	12.5%	34%	48%
£150			
8m			
250			



VF

9b. Complete the table below.

	22%	37.5%	47%
280			
£140			
6m			



VF

10a. Find 27% of the following amounts.

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



VF

10b. Find 33% of the following amounts.

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



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



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



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



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



VF

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

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

Varied Fluency Percentage of an Amount 2

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