## Varied Fluency <br> Step 6: Percentage Increase and Decrease

## National Curriculum Objectives:

Mathematics Year 6: (6R2) Solve problems involving the calculation of percentages [for example, of measures, and such as $15 \%$ of 360 ] and the use of percentages for comparison

## Differentiation:

Developing Questions to support calculating percentage increases and decreases. Using $10 \%, 25 \%, 50 \%$ and $75 \%$.
Expected Questions to support calculating percentage increases and decreases. Using multiples of $5 \%$ and $10 \%$.
Greater Depth Questions to support calculating percentage increases and decreases. Using a range of percentages.

More Year 6 Percentages resources.

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

Percentage Increase and Decrease

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Varied Fluency

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Developing
1a. A) 132 B) 88 C) 165
2a. train: $£ 11.25$, horse: $£ 9$, blocks: $£ 6.25$
3a. 45
4a. True

## Expected

5a. A) 575 B) 184 C) 253
6a. coat: $£ 8.75$, shirt: $£ 10.50$, trousers: $£ 6.65$
7a. 48
8a. True

## Greater Depth

9a. A) 38.64 B) 57.96 C) 131.1
10b. xylophone: $£ 8.36$, robot: $£ 10.12$, car:
£17.16
11b. 61.36
12b. True

## Developing

1b. A) 50. B) 40 C) 20
2b. house: $£ 15$, rattle: $£ 6$, trombone: $£ 18$
3b. 35
4b. False. $£ 100$.

## Expected

5b. A) 105. B) 231 C) 392
6b. rocket: $£ 18.70$, stacker: $£ 7.82$, teddy: £12.75
7b. 57.5
8b. True

## Greater Depth

9b. A) 40.6 B) 54.88 C) 19.04
10b. spaceship: $£ 19.78$, boat: $£ 8.74$, bucket and spade: $£ 7.82$
11b. 54.9
12b. False, £35.40

