

Mathematics

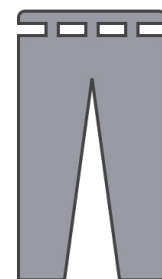
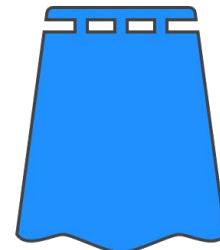
Growth and Decay.

Downloadable Resource - Percentage change.

Mr. Thomas



Try this



Cost for the shop	£4.10	£3.10	£14	£7.25	£8.20
Cost for the customer	£6	£4	£20	£8	£10

Attach each of these labels to the clothes so that:

- a) The shop owner makes a profit on every item.
- b) The shop owner makes the most profit if someone buys 1 of everything.

25% off

30% off

5% off

15% off

20% off



Connect

Let's explore decimal multipliers further for percentage increase and decrease...



Connect

Increase £100 by 30%

Decrease £93.20 by 21%

Increase £54.23 by 53.9%

Decrease £107.20 by 92.9%



Independent Task

- 1) Increase £1,600 by 40%
- 2) Increase £1,235 by 95.2%
- 3) Increase £345.67 by 31.65%
- 4) Decrease £12.30 by 10%
- 5) Decrease £89.54 by 23.5%
- 6) Decrease £849.99 by 95.12%

Try increasing £100 by 10% and then decreasing it by 10%. What do you notice has happened, relative to the initial £100?



Explore

Increasing _____ by 40% is the same as Decreasing _____ by 40%

How many ways can you fill these to make a true statement?

Organise your answers and compare them. What do you notice?



Explore – SUPPORT

Increasing _____ by 40%

is the same as

Decreasing _____ by 40%

How many ways can you fill these to make a true statement?

Organise your answers and compare them. What do you notice?

