

Increase and decrease an amount by a percentage.



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1. Work out the following.

- a) Increase 50 by 20%
- b) Increase 50 by 75%
- c) Decrease 30 by 15%
- d) Increase 145 by 7%
- e) Decrease 100 by 25%
- f) Decrease 12 by 10.5%
- g) Increase 8000 by 8.2%

2. Ruby gets a 15% pay rise at work.

She currently earns £110 per day.

How much will she earn after the pay rise?

3. Joe wants to buy a TV.

Shop A is selling the TV for £350 with 25% off.

Shop B is selling the TV for £320 with 20% off.

Which shop is selling the TV for a cheaper price?



Answers



Increase and decrease an amount by a percentage.

1. Work out the following.

a) Increase 50 by 20%

b) Increase 50 by 75% 60
87.5

c) Decrease 30 by 15% 25.5

d) Increase 145 by 7% 155.15

e) Decrease 100 by 25% 75

f) Decrease 12 by 10.5% 10.74

g) Increase 8000 by 8.2% 8656

2. Ruby gets a 15% pay rise at work.

She currently earns £110 per day.

How much will she earn after the pay rise? £126.50 per day

3. Joe wants to buy a TV.

Shop A is selling the TV for £350 with 25% off.

Shop B is selling the TV for £320 with 20% off.

Which shop is selling the TV for a cheaper price? Shop A (£262.50) shop B (£256)
Shop B is cheaper

