Best Value with Percentage Discounts

Practice Worksheet (November 2026 Paper 3F Style)

I Do

A supermarket sells two different pack sizes of coffee:

Regular jar: 200 g for £4.50

Large jar: 350 g for £7.35

A special offer gives 20% off the price of the large jar.

Which jar offers the best value for money? You must show all your working.

Best Value with Percentage Discounts

Practice Worksheet (November 2026 Paper 3F Style)

We Do

A supermarket sells two different pack sizes of coffee:

Regular jar: 250 g for £3.75

Large jar: 400 g for £7.00

A special offer gives 20% off the price of the large jar.

Which jar offers the best value for money? You must show all your working.

Best Value with Percentage Discounts

Practice Worksheet (November 2026 Paper 3F Style)

You Do 1

A supermarket sells two different pack sizes of coffee:

Regular jar: 300 g for £4.80

Large jar: 500 g for £8.50

A special offer gives 10% off the price of the large jar.

Which jar offers the best value for money? You must show all your working.

Best Value with Percentage Discounts

Practice Worksheet (November 2026 Paper 3F Style)

You Do 2

A supermarket sells two different pack sizes of coffee:

Regular jar: 200 g for £2.60

Large jar: 450 g for £7.20

A special offer gives 15% off the price of the large jar.

Which jar offers the best value for money? You must show all your working.

Best Value with Percentage Discounts

Practice Worksheet (November 2026 Paper 3F Style)

You Do 3

A supermarket sells two different pack sizes of coffee:

Regular jar: 150 g for £2.25

Large jar: 600 g for £10.20

A special offer gives 20% off the price of the large jar.

Which jar offers the best value for money? You must show all your working.

Best Value with Percentage Discounts

Practice Worksheet (November 2026 Paper 3F Style)

Challenge

A regular jar contains 200 g for £3.20. A large jar contains 500 g for £9.00. What is the smallest whole-number percentage discount on the large jar that makes it strictly better value than the regular jar? Show your working.

Best Value with Percentage Discounts

Practice Worksheet (November 2026 Paper 3F Style)

Worked Answers

I Do

Discounted large price = £7.35 × 0.8 = £5.88.
Regular: £4.50 ÷ 200 × 100 = £2.25 per 100 g.
Large: £5.88 ÷ 350 × 100 = £1.68 per 100 g.
The large jar has the lower cost per 100 g and is better value.

We Do

Discounted large price = £7.00 × 0.8 = £5.60.
Regular: £3.75 ÷ 250 × 100 = £1.50 per 100 g.
Large: £5.60 ÷ 400 × 100 = £1.40 per 100 g.
The large jar has the lower cost per 100 g and is better value.

You Do 1

Discounted large price = £8.50 × 0.9 = £7.65.
Regular: £4.80 ÷ 300 × 100 = £1.60 per 100 g.
Large: £7.65 ÷ 500 × 100 = £1.53 per 100 g.
The large jar has the lower cost per 100 g and is better value.

Best Value with Percentage Discounts

Practice Worksheet (November 2026 Paper 3F Style)

Worked Answers

You Do 2

Discounted large price = £7.20 × 0.85 = £6.12.
Regular: £2.60 ÷ 200 × 100 = £1.30 per 100 g.
Large: £6.12 ÷ 450 × 100 = £1.36 per 100 g.
The regular jar has the lower cost per 100 g and is better value.

You Do 3

Discounted large price = £10.20 × 0.8 = £8.16.
Regular: £2.25 ÷ 150 × 100 = £1.50 per 100 g.
Large: £8.16 ÷ 600 × 100 = £1.36 per 100 g.
The large jar has the lower cost per 100 g and is better value.

Challenge

Regular jar: £3.20 ÷ 200 × 100 = £1.60 per 100 g.
For 500 g, a matching price is 5 × £1.60 = £8.00.
The large jar must cost less than £8.00, so its discount must exceed £1.00.
£1.00 ÷ £9.00 × 100 = 11.111...%.
11% gives £8.01; 12% gives £7.92. Answer: 12%.