

GCSE MATHEMATICS

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KEY TOPIC PRACTICE SHEETS

Calculations with Fractions (AQA)

These questions are suitable for Foundation and Higher Tier students
All questions should be done **without a calculator**

- 5 Two stores have the following special offers on the price of a TV.

Daxons

SPECIAL OFFER

$\frac{1}{2}$ PRICE TV

Usual price £360

Jack Lewis

TV SPECIAL OFFER

$\frac{2}{3}$ OFF THE USUAL PRICE

Usual price £540

Which of the statements below is true?

You **must** show your working.

[3 marks]

The special offer price is less at Daxons

☐

The special offer price is more at Daxons

☐

The special offer price is the same at both stores

☐

6 There are 40 sheep in a field.

To identify who owns each sheep they have been marked with either red, blue or green paint.

$\frac{1}{4}$ of the sheep are red.

$\frac{3}{5}$ of the sheep are blue.

How many of the sheep are marked green?

[3 marks]

Answer _____

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Model Answers

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$$\frac{1}{2} \times 360 = \underline{\underline{£180}}$$

$$\frac{2}{3} \times 540 = \underline{\underline{£360}}$$

$$540 - 360 = \underline{\underline{£180}}$$

Therefore, they are the same price.

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How many of the sheep are marked green?

[3 marks]

$$\frac{1}{4} \times 40 = 10 \text{ red}$$

$$\frac{3}{5} \times 40 = 24 \text{ blue}$$

$$10 + 24 = 34 \text{ red and blue}$$

$$40 - 34 = 6 \text{ green}$$

Answer 6