

SMART EXAM RESOURCES
CAMBRIDGE LOWER SECONDARY MATHS
STAGE 8
TOPIC: RATIOS AND PROPORTION
SET-2

1

Write this ratio in its simplest form.

2.4m : 45 cm

..... : [2]

MARK SCHEME

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- 2 Cola is sold in cans and bottles.
A 330 ml can of cola costs 55 cents.
A 500 ml bottle of cola costs 85 cents.
Which is better value?

Explain your answer.

Can / Bottle because

..... [2]

Mark Scheme:

Cola Can :

$$55\text{cents}=330\text{ ml}$$

$$1\text{ cent}=x$$

$$x=330/55=6\text{ml}$$

Cola bottle:

$$85\text{ cents} = 500\text{ml}$$

$$1\text{ cent} = x\text{ ml}$$

$$x=500/85=5.88\text{ml}$$

Hence Can is a better value.

3

The cost of 8 identical pens is 96 cents.

How much do 5 of these pens cost?

..... cents [1]

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MARK SCHEME

8 pens = 96 cents

5 pens = x

$8x = 96 \times 5$

$x = [96 \times 5] / 8 = 60$

5 pens cost 60 cents