

KS2 Maths 2010 Paper A Questions 20 and 21 answers

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Answers

22a An acceptable answer is within the range of $13/100$ to $1/5$ inclusive.

This range includes the fractions $1/6$ and $1/7$.

Decimals can be accepted within the range 0.13 to 0.2 inclusive.

Percentages can be accepted within the range 13% to 20% inclusive.

One mark for this question.

Suggested method:

This can be thought of as a visual question. Split the circle in half by continuing the vertical line down (between Books and DVDs.). From this it can be seen that DVDs are just about $1/3$ of the half, so will be about $1/6$ of the whole circle. Because it is only an estimate there is a fair range to be within.

22b Answers in the range of 500 to 800 inclusive.

One mark for this question.

Suggested method:

Again this can be done by comparing the size of the two. Book sales are about 3 times that of CDs. So if 200 CDs were sold then about 600 books were sold.

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