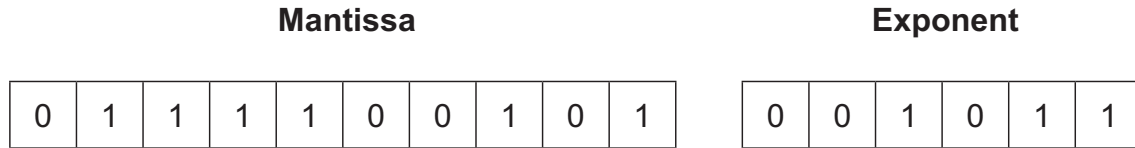


2 Numbers are stored in a computer system using binary floating-point representation with:

- 10 bits for the mantissa
- 6 bits for the exponent
- two's complement form for both the mantissa and the exponent.

(a) Calculate the denary value of the given normalised binary floating-point number. Show your working.



Working

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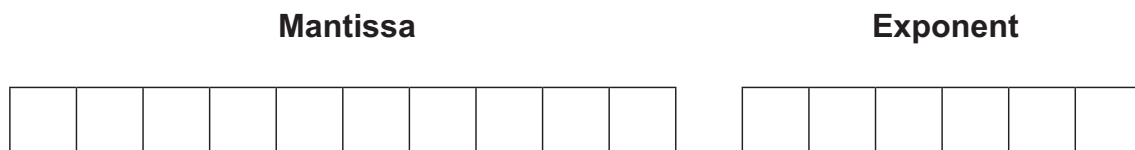
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Denary value

[3]

(b) Calculate the normalised binary floating-point representation of +26.6875 in this system. Show your working.



Working

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[3]