I can use a bar model to help me calculate fractions of an amount

Step 1: Calculate the unit fraction of the amount e.g. Find one third of the amount and then find one sixth of the amount.

Step 2: Use your knowledge of the unit (1/3) fraction to help you calculate the non-unit (2/3) fraction.

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| 18 |
|  |  |  |
|  |  |  |  |  |  |
| 1a) 1/3 of 18 =1b) 1/6 of 18 =1c) 2/3 of 18 =1d) 5/6 of 18 = |
| 15 |
|  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| 3a) 1/5 of 15 =3b) 1/10 of 15 =3c) 3/5 of 15 =3d) 7/10 of 15 = |

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| --- |
| 21 |
|  |  |  |
|  |  |  |  |  |  |  |
| 2a) 1/3 of 21 =2b) 1/7 of 21 =2c) 2/3 of 21 =2d) 4/7 of 21 = |
| 16 |
|  |  |  |  |
|  |  |  |  |  |  |  |  |
| 4a) 1/4 of 16 =4b) 1/8 of 16 =4c) 3/4 of 16 =4d) 7/8 of 16 = |

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| 30 |
|  |  |  |
|  |  |  |  |  |
| 6a) 1/3 of 21 =6b) 1/5 of 21 =6c) 2/3 of 21 =6d) 4/5 of 21 = |
| 32 |
|  |  |  |  |
|  |  |  |  |  |  |  |  |
| 8a) 1/4 of 32 =8b) 1/8 of 32 =8c) 3/4 of 32 =8d) 7/8 of 32 = |

|  |
| --- |
| 24 |
|  |  |  |
|  |  |  |  |  |  |  |  |
| 5a) 1/3 of 24 =5b) 1/8 of 24 =5c) 2/3 of 24 =5d) 5/8 of 24 = |
| 64 |
|  |  |  |  |
|  |  |  |  |  |  |  |  |
| 7a) 1/4 of 64 =7b) 1/8 of 64 =7c) 3/4 of 64 =7d) 7/8 of 64 = |

Extension: 3/6 of 24 = 15 Is this correct? Prove it!