**Solving Equations Containing Inequalities**

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| **Literacy****Integer** – a whole number that can be positive, negative or zero.**Inequality** – the relationship between two values that are not equal. | **Research**What is the Law of Trichotomy?What is the transitive property of inequalities?Be able to explain these in your own words. | **Memory**Understand and memorise the rule: if you multiply or divide by a negative number, you reverse the inequality symbol. |
| **Skills**Solve these inequalities:

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| 1. $8x\geq 24$
 | 1. $4x+6\leq 18$
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| 1. $6x-7<5$
 | 1. $5x-7\geq -17$
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| 1. $4(x-2)>20$
 | 1. $5-6x\geq -19$
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 | **Stretch**List the integers that satisfy these inequalities:1. $28\leq 5x+3 <43$
2. $ 3\leq 2-2x <10$
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