FEEDBACK

Topic: Number Line Inequalities

ACCESS MATHS

ACTION

RESPONSE

Draw a diagram to represent these inequalities.

Fluency

1) $x \leq 3$

2) $x \geq -1$

3) $x < 5$

4) $2 < x \leq 5$

5) $-1 \leq x \leq 3$

6) $-3 < x < 4$

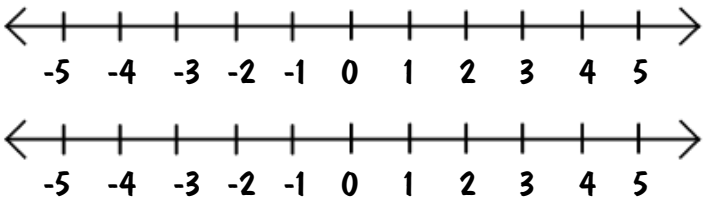
7) $x + 4 \geq 8$

8) $2x + 5 < 3$

9) $2(4x + 3) \leq 18$

Reasoning

On the number lines below, draw two different inequalities so that only the integers (-1 , 0 , 1 , 2) are common to both inequalities.



Problem Solving

Ella went to the supermarket with £1.20. She bought 3 apples costing x pence each and a chocolate bar costing 54p. When she got to the till, she didn't have enough money.

She took one of the apples back and bought the rest, leaving her with 16p change.

a) Explain why $3x + 54 > 120$ and solve.

b) Explain why $2x + 54 \leq 104$ and solve.

c) Show both of these inequalities on a number line.

d) What is the possible price of an apple?

R A G

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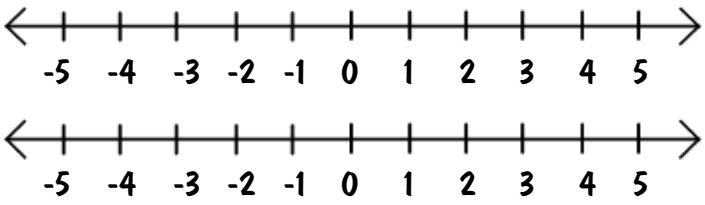

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