Drawing histograms

Exit ticket ANSWERS Name _____

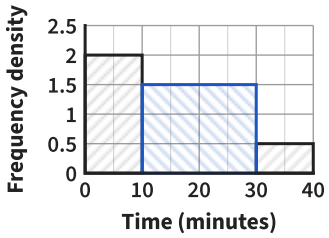
1. The class $20 < m \leq 30$ has a frequency of 40. Work out the frequency density.

   4

2. The class $0 < t \leq 5$ has a frequency of 10. The class $5 < t \leq 15$ has a frequency of 15. Which bar is taller?

   $0 < t \leq 5$

3. The class $10 < t \leq 30$ has a frequency of 30. Draw its bar on the histogram.



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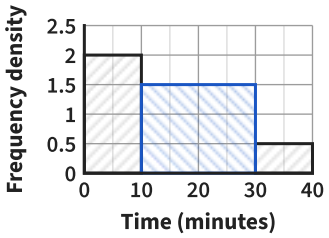

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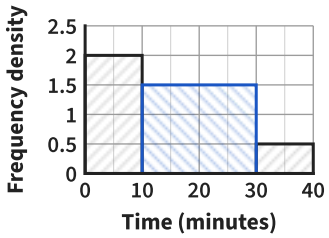

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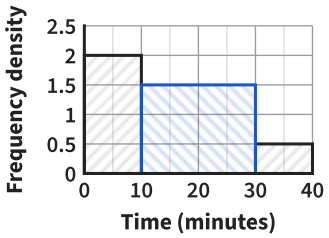

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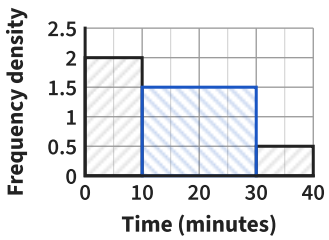

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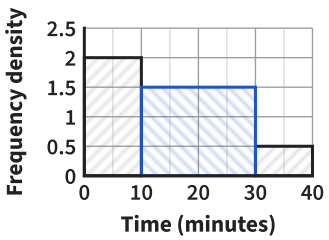


Exit ticket Drawing histograms

NEXT LESSON

1 **The class $20 < m \leq 30$ has a frequency of 40. Work out the frequency density.**

4

TESTS Frequency density: the frequency divided by the class width

LOOK FOR *40* the frequency, not divided by the class width

0.25 the class width divided by the frequency

FIX IT

The class $10 < t \leq 15$ has a frequency of 35. Work out the frequency density. *7*

2 **The class $0 < t \leq 5$ has a frequency of 10. The class $5 < t \leq 15$ has a frequency of 15. Which bar is taller?**

$0 < t \leq 5$

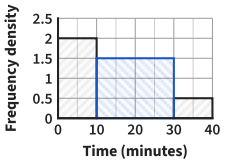
TESTS Which bar is taller: the bigger frequency density, not the bigger frequency

LOOK FOR *$5 < t \leq 15$* the bigger frequency chosen: 15 people over 10 minutes are less crowded

FIX IT

The class $0 < m \leq 4$ has a frequency of 20. The class $4 < m \leq 14$ has a frequency of 30. Which bar is taller? *$0 < m \leq 4$ (5, not 3)*

3 **The class $10 < t \leq 30$ has a frequency of 30. Draw its bar on the histogram.**



Height 1.5

TESTS Drawing a bar: its height is the frequency density

LOOK FOR *height 30* the frequency drawn as the height

height 1 divided by the upper bound, 30, not the class width

FIX IT

The class $20 < t \leq 25$ has a frequency of 20. How tall is its bar? *4*