

HANGING A PICTURE

WORKING WITH
FRACTIONS AND
MIXED NUMBERS

i

A picture is to be hung on a wall according to the following details:

- The picture will be horizontally centred on the wall.
- The picture will be hung using a single nail.

Some known measurements:

- The wall is $116\frac{1}{2}$ inches wide and 8 feet tall.
- The picture has a width of 24 inches and a height of 16 inches.
- The picture's hanger is horizontally centred and positioned $2\frac{5}{8}$ inches from the top of the picture.
- To match other pictures in the room, the top of the picture will be $22\frac{3}{4}$ inches from the ceiling.

?

Using the information above, determine exactly where the nail should be placed on the wall. Use a diagram to illustrate your answer.

