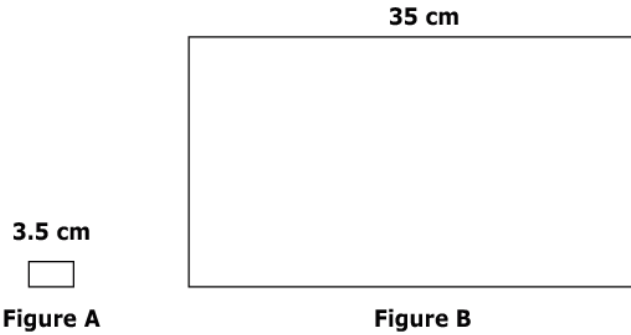


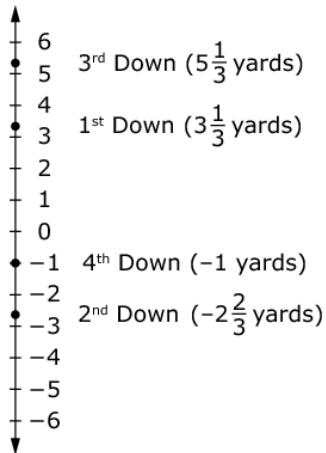
1. Figure B is a scale image of Figure A, as shown.



Enter the scale factor applied to Figure A to produce Figure B.

2. Michelle has $15\frac{3}{4}$ cups of flour in a container. She uses $2\frac{1}{4}$ cups of flour to make a loaf of bread. How much flour does Michelle have left in the container?

3. The number line shows the yards gained or lost by a team during a football game.



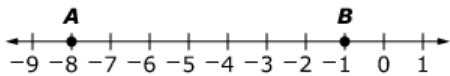
Enter the difference, in yards, between the second down and third down.

4. Emmanuel added two integers.

Which condition will always give Emmanuel a negative solution when he adds two integers?

- Ⓐ Both integers have negative values.
- Ⓑ Both integers have positive values.
- Ⓒ One integer has a positive value, and one integer has a negative value.
- Ⓓ The values of the two integers are opposites.

- 5.



Select **all** the expressions that show the distance between points *A* and *B*.

- $8 - 1$
- $-1 - (-8)$
- $-8 + (-1)$
- $|-8| - |-1|$

6. Mr. Nesbitt's black bag contains 54 marbles. If the probability of reaching in and pulling out a blue marble at random is $\frac{4}{9}$, how many blue marbles are in the bag?

- 49 blue marbles
- 30 blue marbles
- 24 blue marbles
- 36 blue marbles

7. Sara buys a sweater at a department store. The sweater costs \$30. The store is having a 25% off sale on everything in the store.

Enter the amount of money, in dollars, Sara saves from the sale. Do not consider the sales tax.