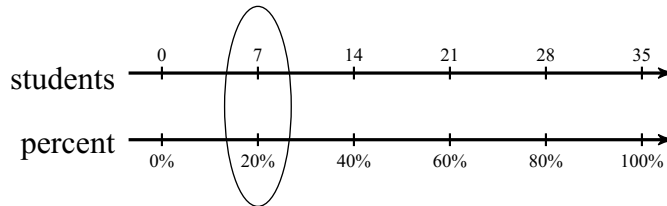


Solving Percent Problems with Diagrams

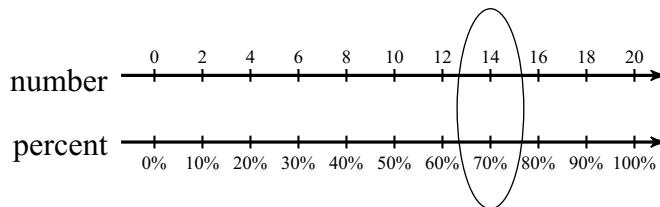
Date _____ Period _____

Solve each problem. A double number line is provided.

- 1) A survey shows that 7 out of 35 students prefer summer weather over spring weather. What percent of students said they prefer summer weather?



- 2) What is 70% of 20?

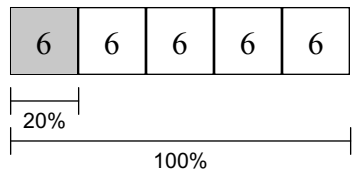
**For each problem, sketch a double number line and then solve the problem.**

- 3) Imani attempted 20 field goals and made 20% of them. How many field goals did she make?

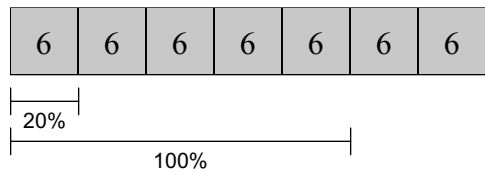
- 4) 25% of what number is 8?

Solve each problem. A tape diagram is provided.

- 5) A survey shows that 6 out of 30 students prefer watching TV over reading. What percent of students said they prefer watching TV?



- 6) What is 140% of 30?



For each problem, sketch a tape diagram and then solve the problem.

- 7) A survey shows that 6 out of 24 students prefer action movies over comedy movies. What percent of students said they prefer action movies?

- 8) Elisa attempted 50 ring tosses and made 10% of them. How many ring tosses did she make?

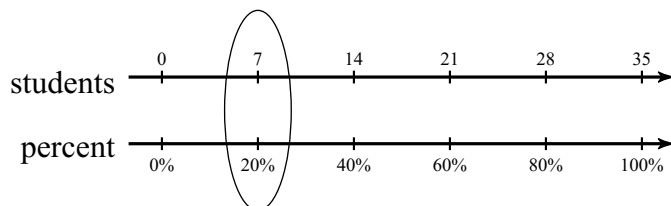
- 9) 20% of what number is 0.05?

Solving Percent Problems with Diagrams

Date _____ Period _____

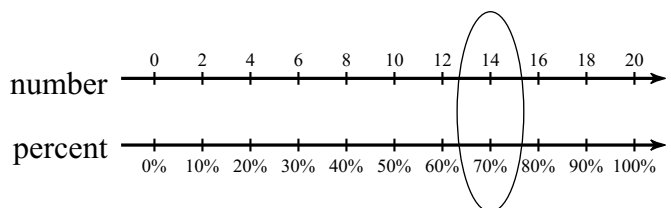
Solve each problem. A double number line is provided.

- 1) A survey shows that 7 out of 35 students prefer summer weather over spring weather. What percent of students said they prefer summer weather?



20%

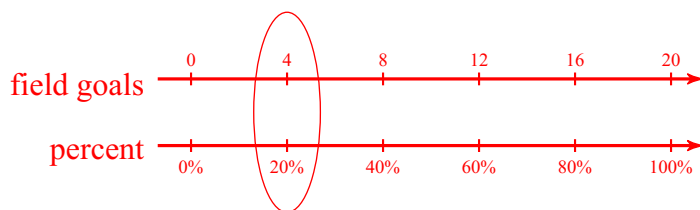
- 2) What is 70% of 20?



14

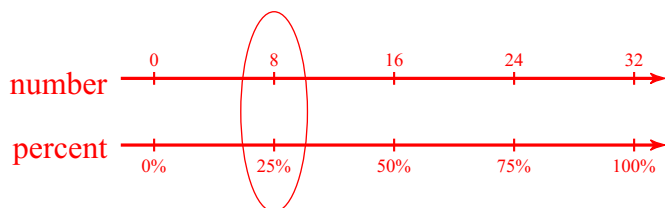
For each problem, sketch a double number line and then solve the problem.

- 3) Imani attempted 20 field goals and made 20% of them. How many field goals did she make?



4 field goals

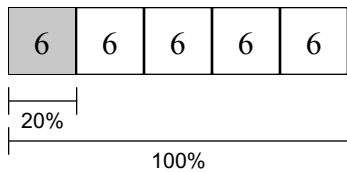
- 4) 25% of what number is 8?



32

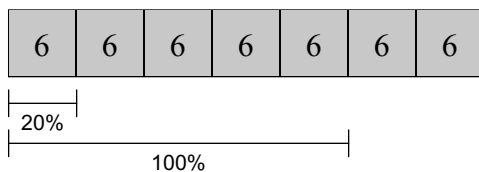
Solve each problem. A tape diagram is provided.

- 5) A survey shows that 6 out of 30 students prefer watching TV over reading. What percent of students said they prefer watching TV?



20%

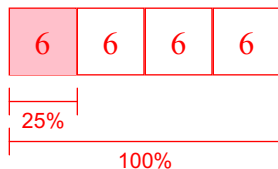
- 6) What is 140% of 30?



42

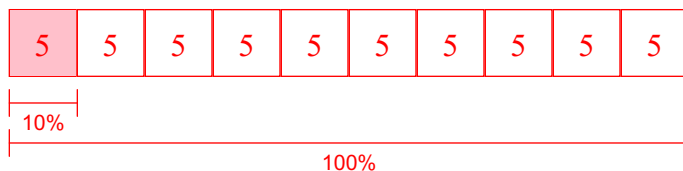
For each problem, sketch a tape diagram and then solve the problem.

- 7) A survey shows that 6 out of 24 students prefer action movies over comedy movies. What percent of students said they prefer action movies?



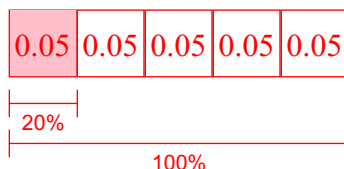
25%

- 8) Elisa attempted 50 ring tosses and made 10% of them. How many ring tosses did she make?



5 ring tosses

- 9) 20% of what number is 0.05?



0.25