

Name _____



Pie Builder

Directions: Find each percentage and sector angle. Then use them to draw and label the pie graph.

Favorite School Events

Total Students: 40

Field Day: 16 students

School Dance: 10 students

Talent Show: 8 students

Science Fair: 6 students

Use: $\text{Percentage} = (\text{Category} \div \text{Total}) \times 100$

$\text{Sector Angle} = \text{Percentage} \times 360^\circ \div 100$

1. Field Day: 16 students = _____% = _____°
2. School Dance: 10 students = _____% = _____°
3. Talent Show: 8 students = _____% = _____°
4. Science Fair: 6 students = _____% = _____°

Check: Total = _____% = _____°

Construct the Pie Graph: Use a protractor to divide the blank circle using your sector angles. Label each sector with its category and percentage.

