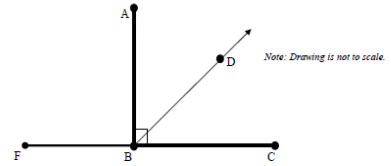


Benchmark Results

19. Angle ABC is 90° because of the little square.
Angle ABD is 45° because bisect means to divide into 2 equal parts and $\frac{1}{2}$ of 90° is 45° .

\overline{FC} is not bisected by \overline{AB} because \overline{FB} and \overline{BC} are not congruent.

19. Angle ABC below has been bisected by \overline{BD} .



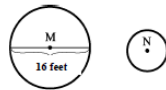
Step A: What is the $m\angle ABD$? _____

Step B:

- Use what you know about bisected angles to explain how you determined your answer. Use words, numbers and/or symbols to support your explanation.
- Is \overline{FC} bisected by \overline{AB} ? Use what you know about bisectors to explain why your answer is correct. Use words, numbers, and/or symbols in your explanation.

4. Diameter of circle M is 16 ft.
Diameter of circle N is 8 ft.
Radius of circle N is 4 ft.

4. Look at the circles below.



Note: Drawing is not to scale.

The diameter of circle M is twice as long as the diameter of circle N. What is the radius of circle N?

- A 4 feet B 6 feet C 8 feet D 24 feet

21. $\frac{1}{2}$ of $\frac{2}{3} = \frac{2}{6} = \frac{1}{3}$

21. One pan of brownies was $\frac{2}{3}$ full. Mr. Sims bought $\frac{1}{2}$ of what was in the pan.
What fraction of the pan did Mr. Sims buy?

- A $\frac{1}{3}$ B $\frac{1}{4}$ C $\frac{4}{5}$ D $\frac{7}{6}$

23. 41.02, 41.2, $41\frac{1}{4}$, $41\frac{1}{8}$ 41.02, 41.20, **41.25**, 41.125

23. Which of these numbers has the greatest value?

- A 41.02
 B 41.2
 C $41\frac{1}{4}$
 D $41\frac{1}{8}$

$$\begin{aligned} 16. \quad A &= l w \\ &= 4 \times 8 \\ A &= 32 \text{ m}^2 \end{aligned}$$

$$\begin{aligned} A &= \frac{1}{2} b h \\ &= \frac{1}{2} \times 5 \times 12 \\ &= \frac{1}{2} \times 60 \\ A &= 30 \text{ m}^2 \end{aligned}$$

$$\begin{array}{r} 32 \\ + 30 \\ \hline 62 \text{ m}^2 \end{array}$$

16. Below is a diagram of a new outside play space for gym classes to use at your school. Determine the area of the new space in square meters.

