



Estimation

Grade 6 Probability & Data Worksheet

Date: _____

Name: _____

LET'S MAKE LEARNING FUN

Choose the correct answer from the options provided.

1. Estimate the sum of the following numbers to the **nearest thousand**:

$$11,375 + 565 + 2,431 + 7,288$$

a. 22,000

c. 21,000

b. 21,700

d. 21,660

2. **Twenty-five rounded** to the **nearest ten** would be **30**.

a. True

b. False

3. Round the number **7,108** to the nearest hundred.

a. 7,200

c. 7,110

b. 7,100

d. 7,000

4. Round the number **4.75** to the nearest **tenth**.

a. 4.8

c. 5

b. 4.7

d. 5.7

5. Estimate 16% of 50.

a. 8

c. 9

b. 10

d. 18

6. The area of a triangular dock is **100 sq ft**. If $A = \frac{1}{2}b \cdot h$, estimate the dimensions of the dock.

a. 12×13 ft.

c. 8×13 ft.

b. 11×17 ft.

d. 9×31 ft.

Estimation

Grade 6 Probability & Data Answer Sheet

1. Estimate the sum of the following numbers to the **nearest thousand**:
 $11,375 + 565 + 2,431 + 7,288$

Answer:

a. 22,000

Workings:

$$11,375 + 565 + 2,431 + 7,288 = 21,659 \approx 22,000 \text{ (nearest thousand)}$$

2. **Twenty-five rounded** to the **nearest ten** would be **30**.

Answer:

a. True

3. Round the number **7,108** to the nearest hundred.

Answer:

a. 7,100

4. Round the number **4.75** to the nearest **tenth**.

Answer:

a. 4.8

5. Estimate 16% of 50.

Answer:

a. 10

Workings:

$$16\% \text{ of } 50 = \frac{16}{100} \times \frac{50}{1} = \frac{16}{100} \times \frac{50^1}{1} = \frac{16 \times 1}{2 \times 1} = 8 \approx 10 \text{ (nearest ten)}$$

6. The area of a triangular dock is **100 sq ft**. If $A = \frac{1}{2}b \cdot h$, estimate the dimensions of the dock.

Answer:

b. 11×17 ft.

Workings:

$$A = \frac{1}{2}b \cdot h$$

$$100 = \frac{1}{2}b \cdot h$$

$$200 = 1 \times b \times h$$

$$200 = 10 \times 20$$

Since,

$$11 \approx 10; \text{ (nearest ten)}$$

$$17 \approx 20 \text{ (nearest ten)}$$

Thus, 11×17 ft. is the desired dimension of the dock.