

5-Minute Check

Transparency 2-5

Find each quotient.

1. $60 \div (-15)$

2. $-16.8 \div (-3)$

BE-1A TUESDAY
10-24-06

Simplify each expression.

3. $\frac{64x}{4}$

4. $\frac{7w - 28}{-7}$

5. Hank used a total of $5\frac{5}{8}$ cups of sugar to make 3 identical cakes. How much sugar did he use for each cake?

6. **Standardized Test Practice** If $\frac{-40}{-10} = n$, what is the value of $10n - 4$?

ANSWERS

1. -4

2. 5.6

3. $16x$

4. $-w + 4$

5. $1\frac{7}{8}$ cups

6. 36

①

MEAN

ANOTHER NAME FOR "AVERAGE"

TAKE THE SUM OF ALL THE
NUMBERS IN A SET OF DATA
AND $\div$ BY HOW MANY NUMBERS
THERE ARE.

MEDIAN

THE MIDDLE VALUE IN A SET
OF NUMBERS.

💡 PUT THEM IN ORDER FIRST.

ODD NUMBER $\Rightarrow$ JUST READ IT

EVEN NUMBER $\Rightarrow$ TAKE MEAN OF THE
THE TWO MIDDLE NUMBERS

MODE

MOST

OFTEN VALUE IN A SET

OF NUMBERS. THERE MAY BE NO
MODE OR MORE THAN 1 MODE.

★ MEASURES OF CENTRAL TENDENCY ★

(2)

EX) FIND MEAN, MEDIAN, MODE

{ 2, 6, 4, 3, 8, 11, 4 }

2, 3, 4, 4, 6, 8, 11

$\underbrace{\hspace{1.5cm}}$ 3 values $\downarrow$ $\underbrace{\hspace{1.5cm}}$ 3 values

MIDDLE

 $\boxed{\text{MEDIAN} = 4}$

= MODE

$$\text{MEAN} = \frac{38}{7} \approx \boxed{5.43} = \text{MEAN}$$

EX) M, M, M For { 5, 6, 5, 2, 8, 2 }

$$\text{Sum} = 28 \therefore \text{mean} = \frac{28}{6} = \boxed{\frac{14}{3} = 4\frac{2}{3}}$$

$$\boxed{\text{MODE} = 5, 2}$$

2, 2, (5, 5), 6, 8

$$\frac{5+5}{2} = \boxed{5 = \text{median}}$$

Your turn: find Mean,
Median, Mode for:

$\{14, 2, 6, 9, 2, 11, 10, 5\}$

2, 2, 5, 6, 9, 10, 11, 14

$$\text{MEDIAN} = \frac{15}{2} = 7\frac{1}{2}$$

$$\text{MODE} = 2$$

$$\text{MEAN} = \frac{59}{8} = 7.375$$

IS THIS REASONABLE?

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