

Mathematics Assessment Program

Middle School Mathematics

Novice Tasks: The Number System

1 $12345679 \times 27 = 333333333$

Use this amazing fact to find the answer to 12345679×36 .
Find the answer without using a calculator.

2. Draw a circle around the fraction that is nearer to 1.

$$\frac{5}{6} \quad \text{or} \quad \frac{6}{5}$$

3. What number is half way between -3 and 4 ?

4. Use a calculator to find the value of

$$\sqrt{(5.4(5.4 - 4.8)(5.4 - 3.4)(5.4 - 2.6)}$$

Give your answer correct to one decimal place.

5. How many numbers between 200 and 400 begin or end with 3?