

MSAMPLE

E 4-2

NAME _____

EUCLIDEAN DIVISION

MEET 2

DECEMBER 4, 2014

GRADE 4

30 MINUTES

ANSWER COLUMN

Directions: Place your answer to each question below in the answer column.

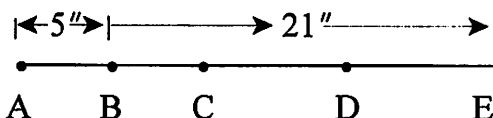
1) $4 \times (3 + 4) - 5(3 - 1) = \underline{\hspace{2cm}}$.

1) _____

2) Using only the digits 2, 4, 6, 8 once in a number, how much larger is the largest 4-digit number that can be made than the smallest 4-digit number that can be made?

2) _____

3) The Points A, B, C, D, E are on a straight line, as shown. If Point B is as far from Point C as it is from Point A and Point D is as far from Point C as it is from Point E, then the distance from Point B to Point D is _____".



3) _____

4) Tom is 8 years older than Kenny. Kenny is 2 years older than Mary. Mary is 7 years younger than Barbara. If Barbara is 16 years old, then Tom is _____ years older than Barbara.

4) _____

5) If 3 is subtracted from twice a number, the result is 53. What is the number?

5) _____

6) There were 500 dogs in a survey to test two new dog foods, "Tasty Treat" and "Hungry Dog." Two hundred twenty, 220, of the dogs were poodles and the rest were beagles. Of the 80 dogs that preferred "Tasty Treat," 42 were poodles. How many beagles preferred "Hungry Dog"?

6) _____

The answer to each question is in parentheses at the beginning of each solution.

- 1) (18) $4 \times 7 - 5 \times 2 = 28 - 10 = 18$.
- 2) (6174) $8642 - 2468 = 6174$.
- 3) (13) $BC = 5''$ also. That makes $CE = 16''$. If $BC = 5''$ and $CD = 8''$ (half of $16''$), then $BD = 13''$.
- 4) (3) If Barbara is 16, then Mary is 9 and Kenny is 11 years old. Tom is $11 + 8 = 19$ years old and 3 years older than Barbara ($19 - 16 = 3$).
- 5) (28) Twice the number must be $53 + 3 = 56$. The number is $56 \div 2 = 28$.
- 6) (242) There were 220 poodles and $500 - 220 = 280$ beagles. Since 80 dogs preferred "Tasty Treat," $500 - 80 = 420$ preferred "Hungry Dog." Since 42 poodles preferred "Tasty Treat," $220 - 42 = 178$ poodles preferred "Hungry Dog." Then $420 - 178 = 242$ beagles preferred "Hungry Dog."