
1. D

2. B (10)

3. A (8)

4. $255 = 2 \times 10^2 + 5 \times 10^1 + 5 \times 10^0$

1. $\overset{8\ 4\ 2\ 1}{1000} = 8$

$1001 = 9$

$1101 = 13$

$1111 = 15$

2. $32 = 100000$ 32 16 8 4 2 1

$42 = 101010$

$11 = 1011$

$17 = 10001$

1. $12 = C$

2. $255 / 16 = 15 \text{ r } 15$ = FF

$15 / 16 = 0 \text{ r } 15$

$$1. \quad 20, \quad 20^0 = 1$$

$$20^1 = 20$$

$$20^2 = 400$$

$$400 = 100$$

$$401 = 101$$

$$2. \quad 25 = 15$$

$$45 = 25$$

$$425 = 115$$

$$625 = 135$$

$$3. \quad 25: \quad \bullet$$

$$45: \quad \bullet \bullet$$

$$425: \quad \bullet$$

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$$625: \quad \bullet$$

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