

Why Are Handcuffs Like Souvenirs?

Use the distributive property to complete each statement below. Find your answer in the corresponding answer column. Write the letter of that exercise in the box that contains the number of the answer.

Answers:

- (A) $7(a + b) = 7a + \underline{\hspace{2cm}}$ (18) **ax**
 (R) $4(5 + x) = 20 + \underline{\hspace{2cm}}$ (17) **4a**
 (Y) $3(2x + 9) = 6x + \underline{\hspace{2cm}}$ (9) **7b**
 (S) $8(3x + 1) = \underline{\hspace{2cm}} + 8$ (1) **5**
 (O) $a(4 + b) = \underline{\hspace{2cm}} + ab$ (14) **4x**
 (E) $x(y + 10) = \underline{\hspace{2cm}} + 10x$ (23) **24x**
 (I) $2(7x + 4y) = 14x + \underline{\hspace{2cm}}$ (10) **30x**
 (D) $6(9 + 5x) = 54 + \underline{\hspace{2cm}}$ (6) **6y**
 (W) $x(a + 3b) = \underline{\hspace{2cm}} + 3bx$ (3) **xy**
 (E) $a(8x + 2y) = 8ax + \underline{\hspace{2cm}}$ (4) **27**
 (T) $\frac{1}{2}(4a + 10) = 2a + \underline{\hspace{2cm}}$ (7) **2ay**
 (R) $\frac{2}{3}(12 + 9y) = 8 + \underline{\hspace{2cm}}$ (20) **8y**

Answers:

- (O) $5x + 5y = 5(x + \underline{\hspace{2cm}})$ (16) **4**
 (T) $9a + 9b = 9(\underline{\hspace{2cm}} + b)$ (5) **u**
 (W) $4m + 4n = \underline{\hspace{2cm}}(m + n)$ (22) **a**
 (H) $ab + 3a = a(b + \underline{\hspace{2cm}})$ (11) **x**
 (E) $xy + 15x = \underline{\hspace{2cm}}(y + 15)$ (21) **2y**
 (A) $bu + uv = \underline{\hspace{2cm}}(b + v)$ (13) **y**
 (F) $\frac{2}{5}m + \frac{2}{5}n = \frac{2}{5}(\underline{\hspace{2cm}} + n)$ (19) **3a**
 (M) $\frac{3}{4}a + \frac{3}{4}b + \frac{3}{4}c = \underline{\hspace{2cm}}(a + b + c)$ (2) **3**
 (S) $7ax + 2ay = a(7x + \underline{\hspace{2cm}})$ (12) **m**
 (T) $4kx + 11ky = \underline{\hspace{2cm}}(4x + 11y)$ (15) **k**
 (R) $3ay + 8by = y(\underline{\hspace{2cm}} + 8b)$ (8) **$\frac{3}{4}$**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

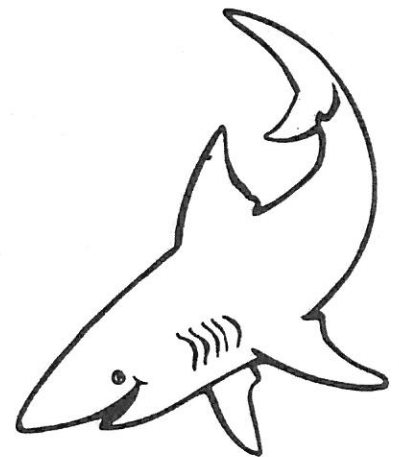
HOW CAN YOU TELL IF A SHARK LIKES YOU?

Find the greatest common factor (GCF) for each pair of numbers. Write the letter next to the answer in the box containing the exercise number. If the answer has a ●, shade in the box instead of writing a letter in it.

- Factors of**
- ⑦ ① GCF of 14 and 21 $\begin{matrix} 14: 1, 2, 7, 14 \\ 21: 1, 3, 7, 21 \end{matrix}$ Answers 1 – 7:
- ② GCF of 10 and 12 $\begin{matrix} 10: \\ 12: \end{matrix}$ (P) 1 (N) 8
- ③ GCF of 15 and 25 $\begin{matrix} 15: \\ 25: \end{matrix}$ (E) 2 ● 9
- ④ GCF of 6 and 15 $\begin{matrix} 6: \\ 15: \end{matrix}$ (I) 3 (T) 11
- ⑤ GCF of 36 and 27 $\begin{matrix} 36: \\ 27: \end{matrix}$ (A) 5 (L) 12
- ⑥ GCF of 22 and 33 $\begin{matrix} 22: \\ 33: \end{matrix}$ (O) 6 (E) 20
- ⑦ GCF of 60 and 20 $\begin{matrix} 60: \\ 20: \end{matrix}$ (S) 7 (R) 30

- ⑧ GCF of 12 and 9 $\begin{matrix} 12: \\ 9: \end{matrix}$ Answers 8 – 14:
- ⑨ GCF of 24 and 16 $\begin{matrix} 24: \\ 16: \end{matrix}$ (W) 1 (N) 9
- ⑩ GCF of 45 and 20 $\begin{matrix} 45: \\ 20: \end{matrix}$ (O) 3 (A) 10
- ⑪ GCF of 12 and 42 $\begin{matrix} 12: \\ 42: \end{matrix}$ ● 5 (R) 12
- ⑫ GCF of 30 and 50 $\begin{matrix} 30: \\ 50: \end{matrix}$ (E) 6 ● 15
- ⑬ GCF of 36 and 12 $\begin{matrix} 36: \\ 12: \end{matrix}$ (L) 7 (C) 40
- ⑭ GCF of 100 and 250 $\begin{matrix} 100: \\ 250: \end{matrix}$ (H) 8 (T) 50

- ⑮ GCF of 24 and 30 $\begin{matrix} 24: \\ 30: \end{matrix}$ Answers 15 – 21:
- ⑯ GCF of 8 and 15 $\begin{matrix} 8: \\ 15: \end{matrix}$ ● 1 (A) 10
- ⑰ GCF of 28 and 12 $\begin{matrix} 28: \\ 12: \end{matrix}$ (T) 2 ● 12
- ⑱ GCF of 18 and 40 $\begin{matrix} 18: \\ 40: \end{matrix}$ (N) 4 (H) 15
- ⑲ GCF of 64 and 16 $\begin{matrix} 64: \\ 16: \end{matrix}$ (E) 6 (K) 16
- ⑳ GCF of 30 and 75 $\begin{matrix} 30: \\ 75: \end{matrix}$ (S) 7 (B) 18
- ㉑ GCF of 180 and 54 $\begin{matrix} 180: \\ 54: \end{matrix}$ (G) 9 (R) 24



9	15	5	14	12	19	7	1	16	3	17	8	6	20	2	13	10	21	4	18	11
							S													