

Set Your Table For Learning!

4.3 PS-GCF Worksheet

3. 3 groups

Q = 5 D = 10 N = 16

\$3.05

4. 9 rows

5. C 6. G

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③ Q 15 = 3 · 5
 D 30 = 2 · 3 · 5
 N 48 = 2 · 2 · 2 · 2 · 3

• GCF = 3 groups
 • Q 15 ÷ 3 = 5
 D 30 ÷ 3 = 10
 N 48 ÷ 3 = 16

• $5 \times .25 + 10 \times .10 + 16 \times .05 =$
 \$ 3.05

30
 3 10
 5 2
 48
 24 2
 12 2
 6 2

④ 27 = 3 · 3 · 3
 45 = 3 · 3 · 5
 108 = 2 · 2 · 3 · 3 · 3
 126 = 2 · 3 · 3 · 7

GCF = 3 · 3 = 9
 9 rows

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⑤ GCF = 6

12 = 2 · 2 · 3
 30 = 2 · 3 · 5
 45 = 3 · 3 · 5
 GCF = 3

24 = 2 · 2 · 2 · 3
 36 = 2 · 2 · 3 · 3
 10 = 2 · 5
 GCF = 2

30
 3 10
 2 5
 45
 9 5
 3 3

SC 42 = 2 · 3 · 7
 18 = 2 · 3 · 3
 72 = 2 · 2 · 2 · 3 · 3
 GCF = 2 · 3 = 6

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Find the GCF of each set:

1. 24 and 36
2. 10 and 18
3. 45 and 63

$$24 = 2 \cdot 2 \cdot 2 \cdot 3$$

$$36 = 2 \cdot 2 \cdot 3 \cdot 3$$

$$\text{GCF} = 2 \cdot 2 \cdot 3 = 12$$

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$$\textcircled{2} \quad 10 = 2 \cdot 5$$

$$18 = 2 \cdot 3 \cdot 3$$

$$\text{GCF} = 2$$

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$$45 = 3 \cdot 3 \cdot 5$$

$$63 = 3 \cdot 3 \cdot 7$$

$$\text{GCF} = 3 \cdot 3 = 9$$

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Homework

Pg 720 # 17-23
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