

Grade 4: Unit 3 Pre-Test

Compare the value of each numeral below.

4.NBT.2

- 1) Is $87,436 < 86,943$ Yes No
1pt
- 2) Is $4,266 > 2,690$ Yes No
1pt
- 3) Is $6,000 + 500 + 4 < 6,000 + 600 + 2$ Yes No
1pt

Write 72,408 in words and expanded form.

4.NBT.2

- 4) Word form: Seventy-two thousand, four
1pt hundred eight.
- 5) Expanded form:
1pt $70,000 + 2,000 + 400 + 8$

Circle whether the number is prime or composite.

4.OA.4

- 6) 2 Prime Composite
1pt
- 7) 32 Prime Composite
1pt
- 8) 17 Prime Composite
1pt

9) List all factors of 12.

4.OA.4

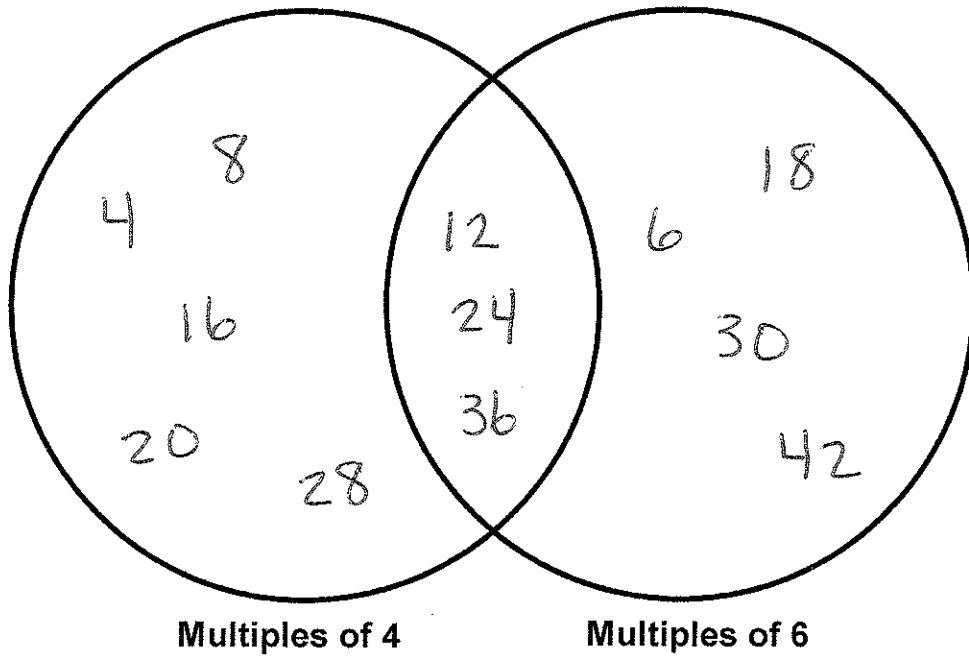
- 1pt 1 and 12, 2 and 6, 3 and 4

10) Complete the Venn diagram. Use at least 10 numbers.

4.OA.4

(Ans. may vary)

3pt



What numbers complete the pattern?

4.OA.5

49, 42, 35, _____, _____, _____, _____

- 11) 27
1pt
12) 14
1pt
13) 21
1pt

Yes

☒ No

☒ Yes

No

☒ Yes

No

14) Complete the "What's My Rule?" table and state the rule.

4.OA.5

Rule: $\times 4$

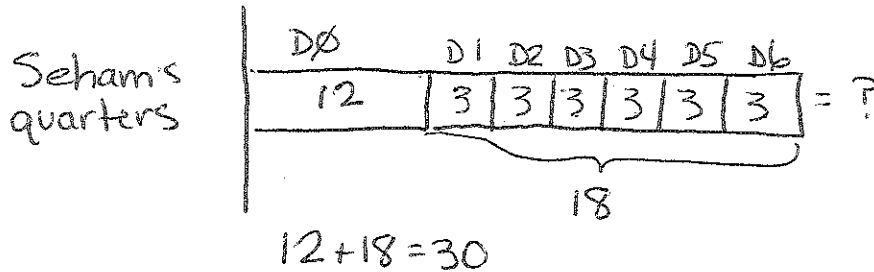
1 pt

| in | out |
|----|-----|
| 6 | 24 |
| 4 | 16 |
| 5 | 20 |
| 7 | 28 |
| 3 | 12 |

1 pt 15) There are 12 quarters in the jar. Each day Seham adds 3 quarters to the jar. How many quarters are in the jar after 6 days?

4.OA.5

Explain your thinking using a chart, picture, or words.



There are 30 quarters in the jar.

Which statements can be made from the equation: $5 \times 8 = 40$?

4.OA.1

1 pt 16) 40 is five times as many as 8.

Yes

No

1 pt 17) 5 is eight times more than 40.

Yes

No

1 pt 18) 40 is eight times more than 5.

Yes

No

- 19) Holly has four times as many pencils as Jacob. Jacob has 2 pencils, how many does Holly have? Write a multiplicative equation and solve.

1pt

4.OA.1

$$2 \times 4 = 8$$

- 20) Create a multiplicative story problem using the numbers 42, 6, and 7.

2pt

4.OA.1/4.OA.3

(Vary)

Ex. Cole can do 7 push-ups. His brother, M.J., can do three times as many. How many push-ups can M.J. do?

- 104 students are going on a field trip. If each bus held 30 students, which statements below would be true.

4.OA.3

- 1pt 21) The group would need 4 buses for all to go on the trip.

Yes

No

- 1pt 22) The group would need 3 buses for all to go on the trip.

Yes

No

- 1pt 23) The remainder represents students.

Yes

No

- 1pt 25) On vacation, the Miller family traveled 237 miles on the first day, 146 miles the second day, and 53 miles the third day. How many miles did they travel altogether?

4.OA.3

Show your work.

Miller's miles

| D1 | D2 | D3 | |
|-----------|--------|-------|-----|
| 237 mi | 146 mi | 53 mi | = ? |
| 436 miles | | | |

$$\begin{array}{r} 237 \\ 146 \\ + 53 \\ \hline 300 \\ 120 \\ + 16 \\ \hline 436 \end{array}$$