Dear Families,

Our Unit 3 Math Test is coming quick. It is tentatively scheduled for Monday, December 19. Students can use the attached packet to help review. I have attached the answer sheet for your convenience. This does NOT have to be handed in.

If you have any questions please let me know.

Thank You,
Shalynn Weeden
sweeden@bcpsk12.net

Fill in the circle for the correct answer.

Solve.   *Show your work.*

1. A worker at the art store puts 280 paint brushes in 8 bins. Each bin has the same number of brushes. How many paint brushes are in each bin?

Ⓐ 30   Ⓒ 40

Ⓑ 35   Ⓓ 45

2. There are 8 stickers in each package. If there are a total of 944 stickers, how many packages of stickers are there?

Ⓕ 118

Ⓖ 113

Ⓗ 108

Ⓚ 103

3. There are 98 boxes of pencils at the store. There are 29 more boxes of chalk than pencils. There are 6 times as many boxes of crayons as chalk. Which shows how many boxes of crayons there are?

Ⓐ $98 + 29 = 117$; $6 \times 117 = 702$; 702 boxes of crayons

Ⓑ $98 + 29 = 117$; $6 \times 117 = 662$; 662 boxes of crayons

Ⓒ $98 + 29 = 127$; $6 \times 127 = 722$; 722 boxes of crayons

Ⓓ $98 + 29 = 127$; $6 \times 127 = 762$; 762 boxes of crayons

4. Luke has 86 blue marbles and 45 orange marbles. *Show your work.*
He shares the marbles equally among himself and
2 friends. He keeps the leftover marbles for himself.
Which shows how many marbles Luke has?

 Ⓕ $86 + 45 = 121$; $121 \div 3$ is 40 R1; 40 marbles

 Ⓖ $86 + 45 = 121$; $121 \div 3$ is 40 R1; 41 marbles

 Ⓗ $86 + 45 = 131$; $131 \div 3$ is 43 R2; 43 marbles

 Ⓚ $86 + 45 = 131$; $131 \div 3$ is 43 R2; 45 marbles

5. A game store manager receives 520 computer games.
The manager puts 28 games in a rack at the front of
the store. He arranges the rest equally on 6 shelves.
How many games are on each shelf?

 Ⓐ $520 - 28 = 492$; $492 \div 6 = 82$; 82 games

 Ⓑ $520 - 28 = 492$; $492 \div 6 = 72$; 72 games

 Ⓒ $520 - 28 = 402$; $402 \div 6 = 67$; 67 games

 Ⓓ $520 - 28 = 402$; $402 \div 6 = 61$; 61 games

6. Four friends bought a tent for $244 and sleeping
bags for $276. If they share the cost equally, how
much will each friend pay?

 Ⓕ $\$244 + \$276 = \$520$; $\$520 \div 4 = \$103$; $103

 Ⓖ $\$244 + \$276 = \$420$; $\$420 \div 4 = \$105$; $105

 Ⓗ $\$244 + \$276 = \$520$; $\$520 \div 4 = \$130$; $130

 Ⓚ $\$244 + \$276 = \$420$; $\$420 \div 4 = \$150$; $150

**Which estimate can be used to determine the most
reasonable quotient?**

7. $7\overline{)439}$

 Ⓐ $400 \div 10 = 40$ Ⓒ $420 \div 7 = 60$

 Ⓑ $450 \div 9 = 50$ Ⓓ $400 \div 5 = 80$

8. 4)1,764

    Ⓕ 1,000 ÷ 5 = 200   Ⓗ 1,600 ÷ 4 = 400

    Ⓖ 1,500 ÷ 5 = 300   Ⓚ 1,800 ÷ 3 = 600

9. 6)3,128

    Ⓐ 3,000 ÷ 10 = 300   Ⓒ 3,500 ÷ 5 = 700

    Ⓑ 3,000 ÷ 6 = 500   Ⓓ 4,000 ÷ 5 = 800

Use any method to solve.

10. 6)744

    Ⓕ 107 R2   Ⓖ 114   Ⓗ 124   Ⓚ 127 R2

11. 9)926

    Ⓐ 102 R8   Ⓑ 102 R9   Ⓒ 120 R8   Ⓓ 120 R9

12. 8)8,344

    Ⓕ 1,005 R4   Ⓖ 1,040 R4   Ⓗ 1,043   Ⓚ 1,403

13. 3)470

    Ⓐ 190   Ⓑ 156 R2   Ⓒ 153 R1   Ⓓ 150

14. 4)1,403

    Ⓕ 300 R3   Ⓖ 320 R3   Ⓗ 325 R3   Ⓚ 350 R3

15. 2)5,752

    Ⓐ 2,876   Ⓑ 2,826   Ⓒ 2,376   Ⓓ 2,326

16. 7)7,433

    Ⓕ 1,060 R3   Ⓖ 1,061 R6   Ⓗ 1,601 R3   Ⓚ 1,601 R6

17. 5)9,189

    Ⓐ 1,031 R4   Ⓑ 1,037 R4   Ⓒ 1,817 R4   Ⓓ 1,837 R4

Solve.   *Show your work.*

18. Dasha has 149 balloons to put in party bags. She puts 3 balloons in each bag. Which shows how many bags Dasha needs, and how many balloons will be left over?

    Ⓕ 149 ÷ 3 is 49 R2; 49 bags; 2 balloons left over

    Ⓖ 149 ÷ 3 is 48 R2; 48 bags; 1 balloon left over

    Ⓗ 149 ÷ 3 is 46 R1; 46 bags; 1 balloon left over

    Ⓚ 149 ÷ 3 is 43; 43 bags; no balloons left over

19. A shop manager orders 32 boxes of scented candles. Each box contains 48 candles. Which shows how many candles the shop manager orders in all?

    Ⓐ 32 × 48 = 1,426; 1,426 candles

    Ⓑ 32 × 48 = 1,436; 1,436 candles

    Ⓒ 32 × 48 = 1,526; 1,526 candles

    Ⓓ 32 × 48 = 1,536; 1,536 candles

20. Some hobby store workers are shipping 187 boxes of model cars and 243 boxes of model airplanes. They ship 8 boxes of models in each carton. Which shows the least number of cartons they will need?

    Ⓕ 187 + 243 = 430; 430 ÷ 8 is 53 R6; 53 cartons

    Ⓖ 187 + 243 = 430; 430 ÷ 8 is 53 R6; 54 cartons

    Ⓗ 187 + 243 = 420; 420 ÷ 8 is 42 R2; 42 cartons

    Ⓚ 187 + 243 = 420; 420 ÷ 8 is 42 R2; 43 cartons

Name _____ Date _____

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