Multiplication and division Worksheet

Elementary Math

Name _____ Date _____

Warm-up

1. 48×7

2. $108 \div 3$

3. A box has 13 pencils. How many pencils are in 4 boxes?

4. 321×10

5. What's the remainder of $71 \div 8$?

Practice

6. Which expression equals 83×8?
   (A) $80 \times 3 + 8$ (B) $8 + 80 \times 3$ (C) $8 \times 80 + 3$ (D) $8 \times 80 + 8 \times 3$

7. $624 \div 3$

8. A bus has 49 seats. 2 buses carry 98 people, and every other seat is taken. How many seats are empty?

9. 21×18

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10. Divide 229 by 7.

    Quotient _____ Remainder _____

11. There are 24 chairs in rows of 4. Which question does $24 \div 4$ answer?

    (A) How many more chairs are needed? (B) How many chairs are in a row? (C) How many chairs are there in all? (D) How many rows are there?

12. A theater has 21 rows with 22 seats each. 27 seats are empty. How many people are there?

13. 94 students ride in vans that hold 10. How many vans do they need?

Challenge

14. A rectangle's length is 28 cm and its width is 13 cm. Another rectangle has double the length and the same width. How much bigger is its area?

15. 73 cookies go into boxes of 7. Only full boxes can be sold, for $6 each. How much money comes in?

16. Pens cost $2 and notebooks $5. You buy 2 of each and pay with $21. How much is left?

17. Use a shortcut: $43 \times 28 + 43 \times 72$

18. Which remainder is impossible when you divide by 5?

    (A) 3 (B) 5 (C) 0 (D) 4

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Multiplication and division Worksheet: Answer Key

Elementary Math

1. 336

   Split 48 into tens and ones, and multiply each part by 7.

2. 36

   Check by multiplying: $3 \times 36 = 108$.

3. 52

   Equal groups: 13×4.

4. 3210

   Every digit moves one place left.

5. 7

   $8 \times 8 = 64$, and $71 - 64 = 7$.

6. (D) $8 \times 80 + 8 \times 3$

   Break 83 into $80 + 3$. The 8 multiplies both parts.

7. 208

   There's a 0 in the middle of the answer. The divisor doesn't fit in that step, so write 0.

8. 98

   Seats total: $98 \times 2 = 196$. Half are taken, so half are empty.

9. 378

   Break both numbers apart and add all four pieces.

10. Quotient 32, Remainder 5

    $7 \times 32 + 5 = 229$.

11. (D) How many rows are there?

    Dividing the total by the group size tells you how many groups.

12. 435

    Total seats: $21 \times 22 = 462$. Then subtract the empty ones.

13. 10

    $94 \div 10 = 9$ with 4 left over, and those students still need a seat.

14. 364

    Doubling the length doubles the area, so the increase equals the first area: 28×13.

15. 60

    Leftover cookies don't count: $73 \div 7$ gives 10 full boxes, and 10×6.

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16. 7

    Each pair costs $2 + 5$. Multiply by 2, then subtract from what you paid.

17. 4300

    Both products have 43, so it's $43 \times (28 + 72) = 43 \times 100$.

18. (B) 5

    If 5 were left over, one more group would fit. A remainder has to be smaller than the divisor.

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