Year 4 · Number: Adding, Subtracting, Times & Sharing

Name: _____ Date: _____

Hi there! This sheet gives you practice with adding and subtracting bigger numbers, your times tables, and multiplying and dividing. Take your time and show your working.

Warm-up

1. 1. 6 × 7 = ?

2. 2. 48 ÷ 6 = ?

3. 3. 9 × 1 = ?

4. 4. 7 × 0 = ?

Practice

5. 1. Work out 3462 + 2578 using column addition.

6. 2. Work out 5203 − 1847 using column subtraction.

7. 3. Work out 4 × 68.

8. 4. Work out 156 × 3.

9. 5. Aroha picks 128 feijoas and packs them equally into 4 baskets. How many feijoas go in each basket?

10. 6. The office at Avondale School orders 7 packs of pencils. Each pack has 45 pencils. How many pencils are there altogether?

11. 7. Work out 275 × 6.

12. 8. Work out 435 ÷ 5.

Challenge

13. 1. The netball club buys 6 boxes of balls, with 48 balls in each box. They give 125 balls to a local school. How many balls does the club have left?

14. 2. A factory packs 504 muesli bars equally into boxes of 6. How many boxes are filled? Then, if each box sells for $8, how much money is made?

Answer key (for parents and tutors)

1. 1. 6 × 7 = ?
   6 × 7 = 42. (Think 6 groups of 7, or 5 × 7 = 35, then add one more 7: 35 + 7 = 42.)
2. 2. 48 ÷ 6 = ?
   48 ÷ 6 = 8. (Ask: how many 6s make 48? 6 × 8 = 48, so the answer is 8.)
3. 3. 9 × 1 = ?
   9 × 1 = 9. (Multiplying any number by 1 leaves it unchanged, one group of 9 is just 9.)
4. 4. 7 × 0 = ?
   7 × 0 = 0. (Zero groups of 7 means nothing at all, so the answer is 0.)
5. 1. Work out 3462 + 2578 using column addition.
   Line up the columns. Units: 2 + 8 = 10, write 0 carry 1. Tens: 6 + 7 + 1 = 14, write 4 carry 1. Hundreds: 4 + 5 + 1 = 10, write 0 carry 1. Thousands: 3 + 2 + 1 = 6. Answer: 6040.
6. 2. Work out 5203 – 1847 using column subtraction.
   Units: 3 – 7 won't go, borrow. Tens is 0 so borrow across: units become 13 – 7 = 6. Tens: after regrouping it is 9 – 4 = 5. Hundreds: 1 – 8 won't go, borrow from thousands: 11 – 8 = 3. Thousands: 4 – 1 = 3. Answer: 3356. (Check: 1847 + 3356 = 5203.)
7. 3. Work out 4 × 68.
   Partition 68 into 60 + 8. 4 × 60 = 240. 4 × 8 = 32. 240 + 32 = 272. Answer: 272.
8. 4. Work out 156 × 3.
   Partition 156 into 100 + 50 + 6. 3 × 100 = 300. 3 × 50 = 150. 3 × 6 = 18. 300 + 150 + 18 = 468. Answer: 468.
9. 5. Aroha picks 128 feijoas and packs them equally into 4 baskets. How many feijoas go in each basket?
   This is 128 ÷ 4. Split 128 into 120 + 8. 120 ÷ 4 = 30. 8 ÷ 4 = 2. 30 + 2 = 32. Each basket holds 32 feijoas.
10. 6. The office at Avondale School orders 7 packs of pencils. Each pack has 45 pencils. How many pencils are there altogether?
    This is 7 × 45. Partition 45 into 40 + 5. 7 × 40 = 280. 7 × 5 = 35. 280 + 35 = 315. There are 315 pencils altogether.
11. 7. Work out 275 × 6.
    Partition 275 into 200 + 70 + 5. 6 × 200 = 1200. 6 × 70 = 420. 6 × 5 = 30. 1200 + 420 + 30 = 1650. Answer: 1650.
12. 8. Work out 435 ÷ 5.
    Split 435 into 400 + 35. 400 ÷ 5 = 80. 35 ÷ 5 = 7. 80 + 7 = 87. Answer: 87. (Check: 5 × 87 = 435.)
13. 1. The netball club buys 6 boxes of balls, with 48 balls in each box. They give 125 balls to a local school. How many balls does the club have left?
    First find the total: 6 × 48. 6 × 40 = 240 and 6 × 8 = 48, so 240 + 48 = 288 balls. Then subtract the balls given away: 288 – 125. 288 – 125 = 163. The club has 163 balls left.
14. 2. A factory packs 504 muesli bars equally into boxes of 6. How many boxes are filled? Then, if each box sells for $8, how much money is made?
    First divide: 504 ÷ 6. Split 504 into 480 + 24. 480 ÷ 6 = 80 and 24 ÷ 6 = 4, so 80 + 4 = 84 boxes. Then find the money: 84 × 8. 80 × 8 = 640 and 4 × 8 = 32, so 640 + 32 = 672. There are 84 boxes and $672 is made.