Long division

Name: _____ Date: _____

Remember: Divide the **biggest place first** and carry the remainder to the next digit. **That is why we work from left to right:** each remainder is worth 10 times more in the next place. Example: 1 344 ÷ 12 → 13 ÷ 12 = 1 r 1 → 14 ÷ 12 = 1 r 2 → 24 ÷ 12 = 2 · answer 112.

1. 96 ÷ 12 =

12) 9 6

Answer: _____

2. 255 ÷ 15 =

15) 2 5 5

Answer: _____

3. 2 352 ÷ 14 =

14) 2 3 5 2

Answer: _____

4. 4 368 ÷ 12 =

12) 4 3 6 8

Answer: _____

5. 7 488 ÷ 24 =

24) 7 4 8 8

Answer: _____

6. 6 552 ÷ 26 =

26) 6 5 5 2

Answer: _____

7. 9 375 ÷ 125 =

125) 9 3 7 5

Answer: _____

8. 5 000 ÷ 23 =

23) 5 0 0 0

Answer: _____

9. 8 251 ÷ 42 =

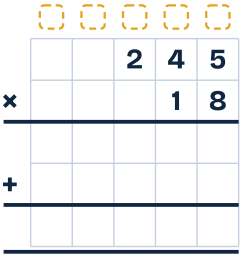
42) 8 2 5 1

Answer: _____

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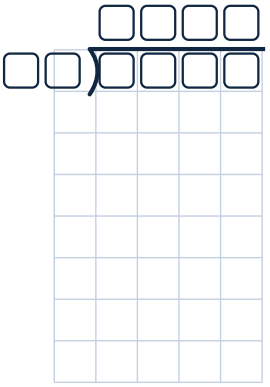
Long division · page 2

10. Which number fits in the box? ☐ ÷ 18 = 245



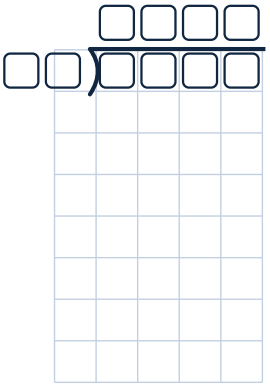
Answer: _____

11. A farmer packs 3 456 eggs into trays of 24. How many trays does he fill?



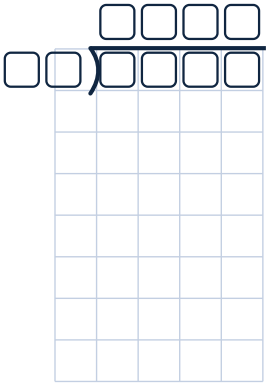
Answer: _____

12. 1 250 learners go on an outing. Each bus has 52 seats. How many buses are needed?



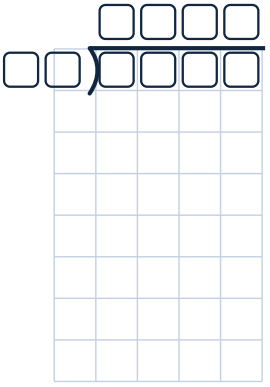
Answer: _____

13. A club shares R7 425 equally between 15 teams. How much does each team get?



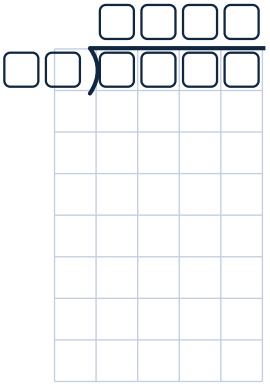
Answer: _____

14. A rope of 2 000 m is cut into pieces of 64 m. How many pieces do you get, and how many metres are left?



Answer: _____

15. A printer prints 4 320 pages in 36 minutes. How many pages does it print per minute?



Answer: _____

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I got _____ out of 15 ★ ★ ★

Memo · Long division

1. **8**
96 ÷ 12 = 8 · Check: 8 × 12 = 96

2. **17**
25 ÷ 15 = 1 r 10 → 105 ÷ 15 = 7 · Check: 17 × 15 = 255

3. **168**
23 ÷ 14 = 1 r 9 → 95 ÷ 14 = 6 r 11 → 112 ÷ 14 = 8 · Check: 168 × 14 = 2 352

4. **364**
43 ÷ 12 = 3 r 7 → 76 ÷ 12 = 6 r 4 → 48 ÷ 12 = 4 · Check: 364 × 12 = 4 368

5. **312**
74 ÷ 24 = 3 r 2 → 28 ÷ 24 = 1 r 4 → 48 ÷ 24 = 2 · Check: 312 × 24 = 7 488

6. **252**
65 ÷ 26 = 2 r 13 → 135 ÷ 26 = 5 r 5 → 52 ÷ 26 = 2 · Check: 252 × 26 = 6 552

7. **75**
937 ÷ 125 = 7 r 62 → 625 ÷ 125 = 5 · Check: 75 × 125 = 9 375

8. **217 r 9**
50 ÷ 23 = 2 r 4 → 40 ÷ 23 = 1 r 17 → 170 ÷ 23 = 7 r 9 · Check: 217 × 23 = 4 991; 4 991 + 9 = 5 000

9. **196 r 19**
82 ÷ 42 = 1 r 40 → 405 ÷ 42 = 9 r 27 → 271 ÷ 42 = 6 r 19 · Check: 196 × 42 = 8 232; 8 232 + 19 = 8 251

10. **4 410**
Do the opposite: 245 × 8 = 1 960; 245 × 10 = 2 450; 1 960 + 2 450 = 4 410

11. **144 trays**
34 ÷ 24 = 1 r 10 → 105 ÷ 24 = 4 r 9 → 96 ÷ 24 = 4

12. **25 buses**
1 250 ÷ 52 = 24 r 2, so one more bus for the last 2: 25

13. **R495**
74 ÷ 15 = 4 r 14 → 142 ÷ 15 = 9 r 7 → 75 ÷ 15 = 5

14. **31 pieces; 16 m left**
200 ÷ 64 = 3 r 8 → 80 ÷ 64 = 1 r 16 → 31 r 16

15. **120 pages**
43 ÷ 36 = 1 r 7 → 72 ÷ 36 = 2 → 0 ÷ 36 = 0

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