Long division

Free Extra Maths Class · Grade 7

Name: _____

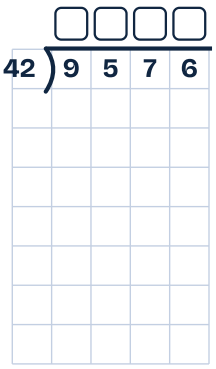
Remember: Estimate first (round the divisor), then divide from **left to right**: divide, multiply, subtract, bring down the next digit. Write each answer digit in its box on top. **Decimals:** put the comma in the answer straight above the comma in the number.

1. 7 344 ÷ 24 =



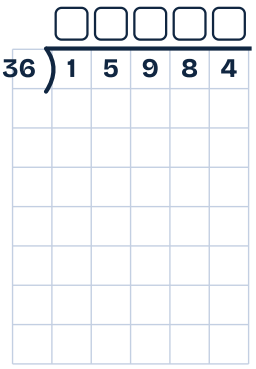
Answer: _____

2. 9 576 ÷ 42 =



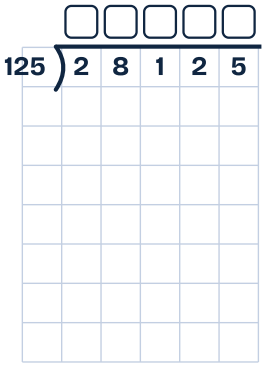
Answer: _____

3. 15 984 ÷ 36 =



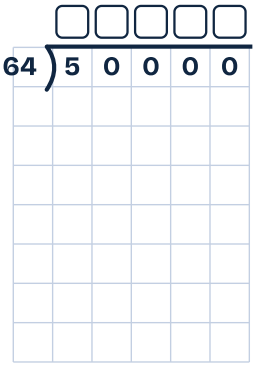
Answer: _____

4. 28 125 ÷ 125 =



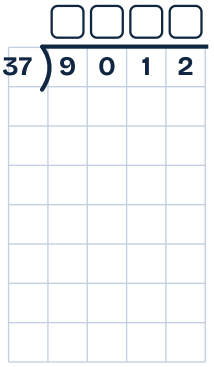
Answer: _____

5. 50 000 ÷ 64 =



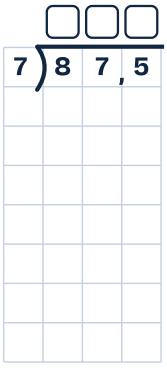
Answer: _____

6. 9 012 ÷ 37 =



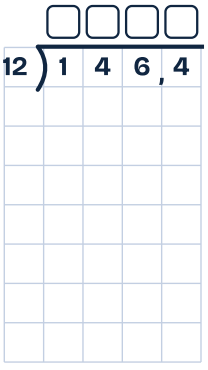
Answer: _____

7. 87,5 ÷ 7 =



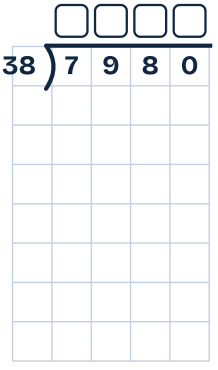
Answer: _____

8. 146,4 ÷ 12 =



Answer: _____

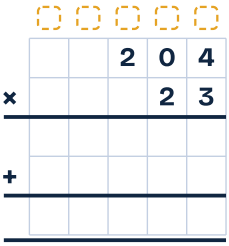
9. Estimate first: 7 980 ÷ 38 ≈ ? Then work out exactly.



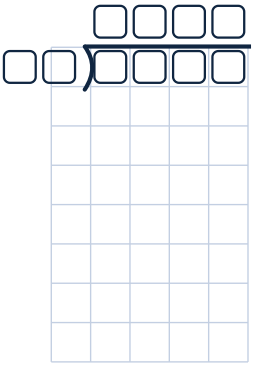
Answer: _____

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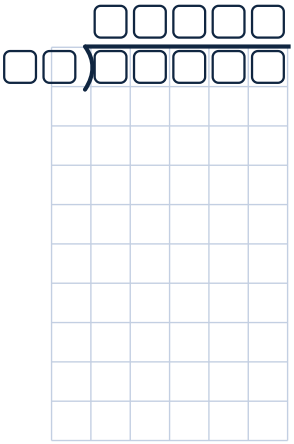
10. Use multiplication to check: is 4 692 ÷ 23 = 204 right?



11. 1 350 learners go on an outing. Each bus has 56 seats. How many buses are needed?

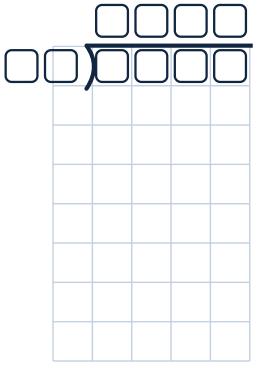


12. A club shares R18 750 equally between 25 teams. How much does each team get?

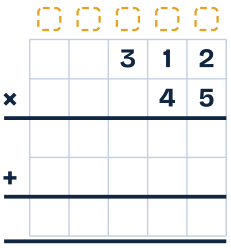


Answer: _____ **Answer:** _____ **Answer:** _____

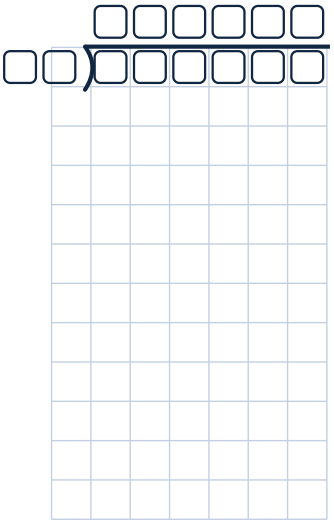
13. A rope of 5 000 m is cut into pieces of 72 m. How many pieces do you get, and how many metres are left?



14. Find the missing number: ☐ ÷ 45 = 312 r 17



15. Mom pays R1 245,60 for 12 kg of meat. How much does 1 kg cost?



Answer: _____ **Answer:** _____ **Answer:** _____

I got _____ **out of 15** ☆ ☆ ☆

Memo

Long division

Other correct methods are also right.

1. **306**
73 ÷ 24 = 3 r 1 → 14 ÷ 24 = 0 r 14 → 144 ÷ 24 = 6 · Check: 306 × 24 = 7 344

2. **228**
95 ÷ 42 = 2 r 11 → 117 ÷ 42 = 2 r 33 → 336 ÷ 42 = 8 · Check: 228 × 42 = 9 576

3. **444**
159 ÷ 36 = 4 r 15 → 158 ÷ 36 = 4 r 14 → 144 ÷ 36 = 4 · Check: 444 × 36 = 15 984

4. **225**
281 ÷ 125 = 2 r 31 → 312 ÷ 125 = 2 r 62 → 625 ÷ 125 = 5 · Check: 225 × 125 = 28 125

5. **781 r 16**
500 ÷ 64 = 7 r 52 → 520 ÷ 64 = 8 r 8 → 80 ÷ 64 = 1 r 16 · Check: 781 × 64 = 49 984; 49 984 + 16 = 50 000

6. **243 r 21**
90 ÷ 37 = 2 r 16 → 161 ÷ 37 = 4 r 13 → 132 ÷ 37 = 3 r 21 · Check: 243 × 37 = 8 991; 8 991 + 21 = 9 012

7. **12,5**
8 ÷ 7 = 1 r 1 → 17 ÷ 7 = 2 r 3 → 35 ÷ 7 = 5; the comma in the answer sits straight above the comma in 87,5 → 12,5

8. **12,2**
14 ÷ 12 = 1 r 2 → 26 ÷ 12 = 2 r 2 → 24 ÷ 12 = 2; the comma in the answer sits straight above the comma in 146,4 → 12,2

9. **estimate 200; exact 210**
8 000 ÷ 40 = 200; 79 ÷ 38 = 2 r 3 → 38 ÷ 38 = 1 → 0 ÷ 38 = 0

10. **Yes**
204 × 23 = 4 692 ✓

11. **25 buses**
1 350 ÷ 56 = 24 r 6, so one more bus for the last 6: 25

12. **R750**
187 ÷ 25 = 7 r 12 → 125 ÷ 25 = 5 → 0 ÷ 25 = 0

13. **69 pieces; 32 m left**
500 ÷ 72 = 6 r 68 → 680 ÷ 72 = 9 r 32 → 69 r 32

14. **14 057**
Do the opposite: 312 × 45 = 14 040; 14 040 + 17 = 14 057

15. **R103,80**
12 ÷ 12 = 1 → 4 ÷ 12 = 0 r 4 → 45 ÷ 12 = 3 r 9 → 96 ÷ 12 = 8 → 0 ÷ 12 = 0 → 103,80