Class maths fair

MODULE 9 · MATHEMATICAL MODELING AND END-OF-YEAR REVIEW REVIEW

HOW TO ANSWER TODAY

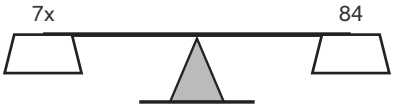
- **Equivalent fractions.** Whatever you multiply (or divide) the bottom by, do the same to the top.
  2/5 = ?/15. Bottom × 3, so top × 3 → 6/15
- **Solve for x.** Do the OPPOSITE operation to both sides. + becomes −; × becomes ÷.
  x + 7 = 15 → x = 15 − 7 = 8 3x = 21 → x = 21 ÷ 3 = 7
- **Expanded form.** Write the number as a sum of its place values. Skip any part that is 0.
  3,482 = 3,000 + 400 + 80 + 2 70,050 = 70,000 + 50

STRETCH PROBLEMS

1. At Camogie training under the floodlights, the coach says **3/4** of the squad must stay back for extra puck-around drills. There are **20** players at training in total. How many players is that, written as ?/ **20** ?

   > Fill in the missing number: 3/4 = ?/20

2. The school canteen orders milk cartons in equal trays. **7** trays hold **84** cartons in total. If x is the number of cartons in one tray, solve 7x = **84** to find how many cartons are in each tray.



Find x so the scale balances.

3. 5th class held a bake sale at break to raise money for the school garden. The cupcake tray made **€74.76** and the brownie tray made **€35.21**. How much did the two trays make in total?

4. The Cumann na mBunscol website reports that **485,708** pupils have taken part in school blitzes across the country since the competition began. Write **485,708** in expanded form.

5. 5th class are totting up their school tour fund. In the first week they collected **€23.87**, and in the second week they collected **€75.29**. How much have they raised altogether so far?