

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 $\times 3$, so top $\times 3 \rightarrow 6/15$
- **Solve for x.** Do the OPPOSITE operation to both sides. $+$ becomes $-$; $\times$ becomes $\div$.
 $x + 7 = 15 \rightarrow x = 15 - 7 = 8$ $3x = 21 \rightarrow x = 21 \div 3 = 7$
- **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?