Use What You Know — Year 4 Maths

Year 4 Maths · 50 challenge cards

from Familiar Frontiers

Five-card sample · print A4

Question cards for A4 printing, with four cards per sheet.

- Print at 100% (actual size) on A4.
- Cut along the dashed lines.
- Find the answers in the screen sample.

Fifty short challenges that ask children to spot which maths will help, then explain or check their answer.

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UseWhatYouKnow-Y4-Maths-Sample-Print-A4.pdf

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Y4M-001 MATHS

A ticket counter shows the number of full thousands in its first box and the number of tickets left over in its second box. The second box shows 970. After 80 more tickets arrive, the first box shows 6.

How many tickets had arrived before the last 80?

Y4M-005 MATHS

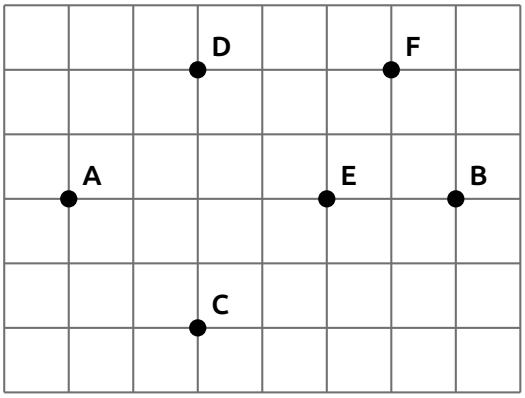
Four racks each start with 25 badges. The table shows what happens next. Every returned badge goes back to the rack it came from.

Rack	Borrowed	Returned
Blue	16	9
Gold	19	13
Green	15	4
Purple	11	2

Which rack now has the fewest badges, and how many are on it?

Y4M-009 MATHS

Draw two straight strokes between pairs of dots. One stroke must be horizontal and one vertical. They must cross each other away from their ends, where there is no dot. A stroke must not pass through another dot.



1 grid interval = 1 m

Which two pairs of dots do the lines join?

Y4M-011 MATHS

Two trays hold 146 counters and 148 counters. Machine A rounds each count to the nearest 10 before adding. Machine B adds the exact counts before rounding the total to the nearest 10.

What total does each machine give?

Y4M-014

MATHS

In the first mosaic, $\frac{3}{4}$ of 24 tiles are blue. In a second mosaic, 30 tiles make five equal stripes. Each stripe is one colour. Both mosaics need the same number of blue tiles.

What fraction of the second mosaic must be blue? Explain how you found it.