Numbers on a line: answers and notes

What your child practised: reading, placing and estimating numbers on a 0 to 100 number line by finding the tens each number sits between (Year 2 place value).

Page 1 · Warm up

The missing tens are **20**, **40**, **60** and **90**.

Page 2 · Try it together

Answers will vary. 23 is between 20 and 30, closer to 20.

Page 2 · A. Arrows on the tens

a = **20** · b = **60** · c = **90**

Page 3 · B. About what number?

a is about **35** · b about **68** · c about **84**. Answers within 2 or 3 either way are good estimates.

Page 3 · C. Draw the arrows

45: halfway between 40 and 50 · **90**: on the 90 mark · **12**: just past 10, much closer to 10 than 20.

Page 3 · D. The table

67: between **60** and **70**, closer to **70**
23: between **20** and **30**, closer to **20**
98: between **90** and **100**, closer to **100**

Challenge: 55 is between 50 and 60, and 5 ones is halfway, so it goes **in the middle between 50 and 60**, not right next to 50. Next to 50 would be numbers like 51.

Watch out for

- **Counting the marks instead of the gaps.** On a line marked in tens, each gap is 10. Start counting from 0, not from the first mark.
- **Putting a number by its ones digit** (72 near 20). Find the tens first: 72 is in the 70s.
- **Expecting exact answers** for estimates. On a line without ones marks, "about 68" is a good answer for 67 or 69.

Going further (5 minutes, no paper)

- **Tape measure:** find 35 cm and 72 cm on a tape measure or ruler: it's a number line too.
- **Halfway hunt:** "What's halfway between 20 and 30? Between 80 and 90?"
- **In the game:** this is the last chapter. Finishing all six chapters earns a certificate.