

Long division word problems

Name: _____

Date: _____

Read each one, write the division, then answer the question the remainder actually asks.

1. A school orders 476 exercise books and packs them into boxes of 8. How many full boxes are there, and how many books are left over?

2. 936 apples are shared equally between 6 market stalls. How many apples does each stall get?

3. A coach carries 52 passengers. 715 people are waiting. How many coaches are needed so that nobody is left behind?

4. A rope 855 cm long is cut into 5 equal pieces. How long is each piece?

5. A printer produces 1274 pages and staples them into booklets of 9. How many complete booklets, and how many spare pages?

Answer key: Long division word problems

Read each one, write the division, then answer the question the remainder actually asks.

1. A school orders 476 exercise books and packs them into boxes of 8. How many full boxes are there, and how many books are left over?

$$476 \div 8 = 59 \text{ R } 4$$

59 full boxes, with 4 books left over.

2. 936 apples are shared equally between 6 market stalls. How many apples does each stall get?

$$936 \div 6 = 156$$

156 apples each, with none left over.

3. A coach carries 52 passengers. 715 people are waiting. How many coaches are needed so that nobody is left behind?

$$715 \div 52 = 13 \text{ R } 39$$

13 coaches carry 676 people and 39 are still waiting, so 14 coaches are needed.

4. A rope 855 cm long is cut into 5 equal pieces. How long is each piece?

$$855 \div 5 = 171$$

Each piece is 171 cm long.

5. A printer produces 1274 pages and staples them into booklets of 9. How many complete booklets, and how many spare pages?

$$1274 \div 9 = 141 \text{ R } 5$$

141 complete booklets, with 5 pages spare.