Children’s Day maths puzzle challenge for CBSE Class 9 and 10: Class 6–8: answers

CBSE Math Revision · CBSE Class 6 to 8 (no calculator) · 14 November · Teacher answers and notes

No calculator. Every answer works out exactly.

Teacher notes

- For CBSE Class 6 to 8. No calculator: every answer works out exactly.

Starter

1. **154**
   - 14 × 11 = 140 + 14 = 154
2. **3/4**
   - 0.75 = 75/100 = 3/4
3. **150**
   - 2 × 60 + 30 = 150
4. **23**
   - 21 = 3 × 7 and 22 = 2 × 11, but 23 has no factors except 1 and 23.

Task A: Round 1: number

a. **60**
- LCM(4, 6, 10) = 60

b. **16**
- 5/9 of 36 = 20 girls
- 36 − 20 = 16

c. **100**
- 1 + 3 + 5 + ... + 19 = 100 (= 10^2)

Task B: Round 2: shape and chance

a. **120 m^2**
- 15 × 8 = 120

b. **80**
- The angles of a quadrilateral add up to 360°.
- 360 − 80 − 95 − 105 = 80

c. **64 cm^3**
- 4 × 4 × 4 = 64

d. **1/3**
- 5 and 6: 2 of the 6 numbers.
- 2/6 = 1/3

Extension

1. **18**
   - 6 children are in front of Asha and 11 behind her.
   - 6 + 1 + 11 = 18

Every question is original and every answer was checked before publishing.