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

CBSE Math Revision · CBSE Class 6 to 8 (no calculator) · 14 November · Student sheet

Name _____ Class _____ Date _____

No calculator. Every answer works out exactly.

Starter (5 minutes)

1. Work out 14 × 11.

2. Write 0.75 as a fraction in its simplest form.

3. How many minutes are there in 2½ hours?

4. What is the smallest prime number greater than 20?

Main activity (30 minutes)

Task A: Round 1: number

Questions for the children’s fair.

a. Balloons come in packs of 4, cups in packs of 6 and plates in packs of 10. What is the smallest number of each you can buy so that the numbers are equal?

b. A class has 36 children and 5/9 of them are girls. How many boys are there?

c. Find the sum of the first 10 odd numbers.

Task B: Round 2: shape and chance

More questions for the fair.

a. The play area is a rectangle 15 m long and 8 m wide. Find its area.

b. The angles of a four-sided flower bed are 80°, 95°, 105° and x°. Find x.

c. A gift box is a cube with edges of 4 cm. Find its volume.

d. A fair die is rolled. What is the probability that it shows a number greater than 4?

Extension

1. Children stand in a line. Asha is 7th from the front and 12th from the back. How many children are in the line?