Year 8 Fractions and Recurring Decimals – Developing

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Year 8 · Maths · Fractions and Recurring Decimals · Level 2 Developing · 10 questions

Name _____ **Date** _____

A. Use fractions

1. Which of these fractions are equal to recurring decimals? 7/30, 7/20, 2/15, 4/25

Answer _____

2. Which of these fractions are equal to recurring decimals? 2/15, 1/12, 7/20, 3/8

Answer _____

3. A plank is 3 m long. Eli cuts off 2 1/2 m. How much is left?

Answer _____

4. A recipe uses 4 1/4 cups of flour. How much flour is needed for 6 batches?

Answer _____

5. How many 2/3 litre bottles can be filled from 10 litres of juice?

Answer _____

6. Work out 5/6 × 2/7 × 6/5, using the laws of arithmetic to make it simpler.

Answer _____

7. Work out 4.6 × 25 × 0.4, using the laws of arithmetic to make it simpler.

Answer _____

8. 6 3/5 − 4 5/6 = ? Give your answer as a mixed number in its simplest form.

Answer _____

9. 4 ÷ 7/10 = ?

Answer _____

10. Eli says 2 × 4 1/2 = 8 1/2. Spot the mistake and give the correct answer.

Answer _____