Year 8 Fractions and Recurring Decimals – Mixed Practice

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Year 8 · Maths · Fractions and Recurring Decimals · Mixed practice · 30 questions

Name _____ **Date** _____

A. Mixed practice (mixed order)

1. 4 3/5 − 1 3/4 = ? Give your answer as a mixed number in its simplest form.

Answer _____

2. Write 7/15 as a recurring decimal. Which digit or digits recur?

Answer _____

3. 8 ÷ 5/8 = ?

Answer _____

4. 8 × 3 2/5 = ? Give your answer as a mixed number.

Answer _____

5. 6 1/6 − 2 2/3 = ? Give your answer as a mixed number in its simplest form.

Answer _____

6. 15 ÷ 3/10 = ?

Answer _____

7. A recipe uses 5 1/3 cups of flour. How much flour is needed for 6 batches?

Answer _____

8. 3 × 3 2/3 = ? Give your answer as a mixed number.

Answer _____

9. Write 5/12 as a recurring decimal. Which digit or digits recur?

Answer _____

10. 6 1/12 – 2 1/2 = ? Give your answer as a mixed number in its simplest form.

Answer _____

11. Kofi says 3 1/5 – 2 3/5 = 1 2/5. Spot the mistake and give the correct answer.

Answer _____

12. Which of these fractions are equal to recurring decimals? 7/30, 7/20, 3/7, 2/9

Answer _____

13. Work out 0.6 × 45 – 0.6 × 15, using the laws of arithmetic to make it simpler.

Answer _____

14. 5 × 6 1/2 = ? Give your answer as a mixed number.

Answer _____

15. Work out 0.25 × 13 × 4, using the laws of arithmetic to make it simpler.

Answer _____

16. 9 ÷ 1/8 = ?

Answer _____

17. Which of these fractions are equal to recurring decimals? 2/9, 2/15, 11/16, 3/8

Answer _____

18. How many 2/5 litre bottles can be filled from 6 litres of juice?

Answer _____

19. Farah says 4 1/5 − 1 4/5 = 3 3/5. Spot the mistake and give the correct answer.

Answer _____

20. Write 2/3 as a recurring decimal. Which digit or digits recur?

Answer _____

21. 6 1/8 − 2 2/5 = ? Give your answer as a mixed number in its simplest form.

Answer _____

22. Farah says 0.999... recurring is less than 1. Is Farah right? Explain.

Answer _____

23. Lina says 7 1/8 − 1 1/2 = 6 3/8. Spot the mistake and give the correct answer.

Answer _____

24. Which of these fractions are equal to recurring decimals? 5/6, 11/16, 3/8, 1/12

Answer _____

25. Work out 3/4 × 9 − 3/4 × 5, using the laws of arithmetic to make it simpler.

Answer _____

26. Write 5/6 as a recurring decimal. Which digit or digits recur?

Answer _____

27. 4 3/10 − 2 2/5 = ? Give your answer as a mixed number in its simplest form.

Answer _____

28. A plank is 6 m long. Ivo cuts off 2 1/8 m. How much is left?

Answer _____

29. 7 × 6 3/5 = ? Give your answer as a mixed number.

Answer _____

30. 11 ÷ 1/4 = ?

Answer _____