Year 9 Fractions and Decimals – Developing

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Year 9 · Maths · Fraction and Decimal Calculations · Level 2 Developing · 10 questions

Name _____ **Date** _____

A. Use fractions and decimals

1. Work out 2/3 ÷ (1/2 + 2).

Answer _____

2. Work out 7/4 × 2 + 3/5.

Answer _____

3. Estimate 4 3/8 × 3 2/5 by rounding each mixed number to the nearest whole number. Then work out the exact answer.

Answer _____

4. Estimate 8.4 × 0.43 by rounding each number to 1 significant figure. Then work out the exact answer.

Answer _____

5. Use the distributive law to work out $5.6 \times 3/5 + 4.4 \times 3/5$.

Answer _____

6. Use the distributive law to work out $5.1 \times 3/10 + 4.9 \times 3/10$.

Answer _____

7. A ribbon is 6 2/3 m long. It is cut into pieces that are each 2/3 m long. How many pieces are there?

Answer _____

8. A scooter uses 0.05 litres of fuel per km. How far can it travel on 37.55 litres?

Answer _____

9. Work out 4 1/3 × 4 4/5. Cancel before you multiply.

Answer _____

10. Dina says 3/40 is a recurring decimal because 40 is not a power of 10. Spot the mistake and give the correct answer.

Answer _____