Year 8 Decimals – Foundation

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Answers and worked solutions · 10 questions

A. Decimal skills

1. 4.814

Ignore the decimal points: 83 × 58
Count the decimal places in the question: 3
= 4.814

2. 35.55

Ignore the decimal points: 45 × 79
Count the decimal places in the question: 2
= 35.55

3. 0.2108

Ignore the decimal points: 31 × 68
Count the decimal places in the question: 4
= 0.2108

4. 46

Multiply both numbers by 10: 414 ÷ 9
= 46

5. 1

Multiply both numbers by 10: 5 ÷ 5
= 1

6. 32

Multiply both numbers by 10: 288 ÷ 9
= 32

7. −1/3 > −5/2

Compare: −1/3 ≈ -0.333, −5/2 ≈ -2.500
On a number line, the number further right is greater

8. −6/5 < −3/8

As decimals: −1.2 and −0.375
On a number line, the number further right is greater

9. −5/2, −6/5, −0.35, 0.125, 2/3

Write each as a decimal: −6/5 = -1.2, −5/2 = -2.5, 2/3 = 0.667, −0.35 = -0.35, 0.125 = 0.125
Negatives further from 0 are smaller

10. −1.8, 0, 1.65

≤ includes the end value; < does not
Check each value against both ends: −1.8, 0, 1.65