Percentage increase with a multiplier

Exit ticket ANSWERS Name _____

1 Increase £50 by 30%.

100% = £50 | +30%

1. Add to 100%. 100% + 30% = 130%
2. Divide by 100. 130 ÷ 100 = 1.3
3. Multiply. 50 × 1.3 = 65

2 Increase £20 by 15%.

100% = £20 | +15%

1. Add to 100%. 100% + 15% = 115%
2. Divide by 100. 115 ÷ 100 = 1.15
3. Multiply. 20 × 1.15 = 23

3 Increase £300 by 4%.

£312

Percentage increase with a multiplier

Exit ticket ANSWERS Name _____

1 Increase £50 by 30%.

100% = £50 | +30%

1. Add to 100%. 100% + 30% = 130%
2. Divide by 100. 130 ÷ 100 = 1.3
3. Multiply. 50 × 1.3 = 65

2 Increase £20 by 15%.

100% = £20 | +15%

1. Add to 100%. 100% + 15% = 115%
2. Divide by 100. 115 ÷ 100 = 1.15
3. Multiply. 20 × 1.15 = 23

3 Increase £300 by 4%.

£312

The Maths Habit

Percentage increase with a multiplier

Exit ticket ANSWERS Name _____

1 Increase £50 by 30%.

100% = £50 | +30%

1. Add to 100%. 100% + 30% = 130%
2. Divide by 100. 130 ÷ 100 = 1.3
3. Multiply. 50 × 1.3 = 65

2 Increase £20 by 15%.

100% = £20 | +15%

1. Add to 100%. 100% + 15% = 115%
2. Divide by 100. 115 ÷ 100 = 1.15
3. Multiply. 20 × 1.15 = 23

3 Increase £300 by 4%.

£312

The Maths Habit

Percentage increase with a multiplier

Exit ticket ANSWERS Name _____

1 Increase £50 by 30%.

100% = £50 | +30%

1. Add to 100%. 100% + 30% = 130%
2. Divide by 100. 130 ÷ 100 = 1.3
3. Multiply. 50 × 1.3 = 65

2 Increase £20 by 15%.

100% = £20 | +15%

1. Add to 100%. 100% + 15% = 115%
2. Divide by 100. 115 ÷ 100 = 1.15
3. Multiply. 20 × 1.15 = 23

3 Increase £300 by 4%.

£312

The Maths Habit

Percentage increase with a multiplier

Exit ticket ANSWERS Name _____

1 Increase £50 by 30%.

100% = £50 | +30%

1. Add to 100%. 100% + 30% = 130%
2. Divide by 100. 130 ÷ 100 = 1.3
3. Multiply. 50 × 1.3 = 65

2 Increase £20 by 15%.

100% = £20 | +15%

1. Add to 100%. 100% + 15% = 115%
2. Divide by 100. 115 ÷ 100 = 1.15
3. Multiply. 20 × 1.15 = 23

3 Increase £300 by 4%.

£312

The Maths Habit

Percentage increase with a multiplier

Exit ticket ANSWERS Name _____

1 Increase £50 by 30%.

100% = £50 | +30%

1. Add to 100%. 100% + 30% = 130%
2. Divide by 100. 130 ÷ 100 = 1.3
3. Multiply. 50 × 1.3 = 65

2 Increase £20 by 15%.

100% = £20 | +15%

1. Add to 100%. 100% + 15% = 115%
2. Divide by 100. 115 ÷ 100 = 1.15
3. Multiply. 20 × 1.15 = 23

3 Increase £300 by 4%.

£312

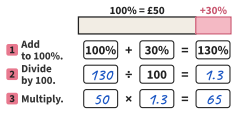
The Maths Habit

Exit ticket Percentage increase with a multiplier

NEXT LESSON

1 **Increase £50 by 30%.**

£65



TESTS The multiplier from the new percentage, then multiplying

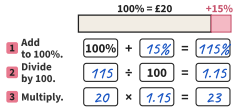
LOOK FOR *£15* multiplied by 0.3: that is only the 30%

£80 added £30, not 30%

FIX IT Increase £70 by 30%. *£91*

2 **Increase £20 by 15%.**

£23



TESTS The whole frame: add to 100%, divide by 100, multiply

LOOK FOR *£3* multiplied by 0.15: that is only the 15%

£30 used 1.5, not 1.15

FIX IT Increase £40 by 15%. *£46*

3 **Increase £300 by 4%.**

£312

TESTS A single digit percentage, no frame

LOOK FOR *£420* used 1.4: 104 ÷ 100 is 1.04

£304 added £4, not 4%

FIX IT Increase £200 by 6%. *£212*