

## QUICK COVER

## Using Given Calculations

**Task 1** : Starting with  **$147 + 85 = 232$**   $\pm 10, 100$  and multiples of 10,100

**Task 2** : Starting with  **$54 \times 28 = 1512$**  inverse operations, doubling, halving

**Task 3** : Starting with  **$36 \times 45 = 1620$**  decimals  $\times 10, 100, \div 10, 100$

**Task 4** : Starting with  **$104 \times 32 = 3328$**  decimals, multiples of 10, multiple changes

# Help and Hints.....

# Using Given calculations

**How has the question changed from the original question.....?**

## TASK 1

$$147 + 85 = 232$$

$$+200 \quad +10 \quad +200 +10$$

$$347 + 95 = 442$$

## TASK 2a

$$54 \times 28 = 1512$$

$$\times 2 \quad \times 2 \quad \times 2 \times 2$$

$$108 \times 56 = 6048$$

## TASK 2b

$$1512 \div 56 =$$

$$54 \times 28 = 1512$$

$$\times 2 \quad \times 2$$

$$? \times 56 = 1512$$

$$1512 \div 56 = 27$$

Rearrange to match the form of the given question

Missing operation is  $\div 2$   $1512 \times 2 \div 2 = 1512$

$$54 \div 2 = 27$$

$$27 \times 56 = 1512$$

## TASK 3

$$36 \times 45 = 1620$$

$$\div 10 \quad \times 100 \quad \div 10 \quad \times 100$$

$$3.6 \times 4500 = 16200$$

## TASK 4

$$33.28 \div 64 =$$

$$104 \times 32 = 3328$$

$$\div 200 \quad \times 2 \quad \times 2 \quad \div 200$$

$$? \times 64 = 33.28$$

$$33.28 \div 64 = 0.52$$

$32 \times 2 = 64$  so  $\times 2$  must be included on the RHS

$$3328 \times 2 \div 200 = 33.28$$

$$\text{So } 104 \div 200 = 0.52$$

# Using Given Calculations

<b>TASK 1</b>	<b>TASK 2</b>	<b>TASK 3</b>	<b>TASK 4</b>
<b><math>147 + 85 = 232</math></b>	<b><math>54 \times 28 = 1512</math></b>	<b><math>36 \times 45 = 1620</math></b>	<b><math>104 \times 32 = 3328</math></b>
1. $147 + 75 =$	1. $54 \times 29 =$	1. $3.6 \times 45 =$	1. $10.4 \times 16 =$
2. $157 + 85 =$	2. $55 \times 29 =$	2. $3.6 \times 4.5 =$	2. $104 \times 0.16 =$
3. $137 + 85 =$	3. $54 \times 56 =$	3. $360 \times 4.5 =$	3. $52 \times 320 =$
4. $232 - 75 =$	4. $108 \times 28 =$	4. $0.36 \times 45 =$	4. $0.52 \times 3.2 =$
5. $242 - 95 =$	5. $108 \times 56 =$	5. $0.36 \times 450 =$	5. $1.04 \times 64 =$
6. $242 - 147 =$	6. $1512 \div 28 =$	6. $1620 \div 45 =$	6. $0.104 \times 640 =$
7. $242 - 137 =$	7. $1512 \div 54 =$	7. $1620 \div 450 =$	7. $332.8 \div 3.2 =$
8. $185 + 247 =$	8. $1512 \div 27 =$	8. $1620 \div 3.6 =$	8. $332.8 \div 104 =$
9. $175 + 247 =$	9. $756 \div 27 =$	9. $162 \div 3.6 =$	9. $332.8 \div 10.4 =$
10. $432 - 247 =$	10. $756 \div 54 =$	10. $16.2 \div 4.5 =$	10. $33.28 \div 1.04 =$
11. $442 - 147 =$	11. $756 \div 108 =$	11. $16.2 \div 0.45 =$	11. $332.8 \div 5.2 =$
12. $285 + 247 =$	12. $3024 \div 28 =$	12. $162 \div 0.36 =$	12. $3.328 \div 0.16 =$
13. $195 + 47 =$	13. $3024 \div 56 =$	13. $162 \div 36 =$	13. $3328 \div 2080 =$
14. $222 - 75 =$	14. $378 \div 54 =$	14. $0.36 \times 45000 =$	14. $0.104 \times 64000 =$

# Using Given Calculations

## ANSWERS

TASK 1	TASK 2	TASK 3	TASK 4
1. 222	1. 1566	1. 162	1. 166.4
2. 242	2. 1595	2. 16.2	2. 16.64
3. 222	3. 3024	3. 1620	3. 16640
4. 157	4. 3024	4. 16.2	4. 16.64
5. 147	5. 6048	5. 162	5. 66.56
6. 95	6. 54	6. 36	6. 66.56
7. 105	7. 28	7. 3.6	7. 104
8. 432	8. 56	8. 450	8. 3.2
9. 422	9. 28	9. 45	9. 32
10. 185	10. 14	10. 3.6	10. 32
11. 295	11. 7	11. 36	11. 64
12. 532	12. 108	12. 450	12. 20.8
13. 242	13. 54	13. 4.5	13. 1.6
14. 147	14. 7	14. 16200	14. 6656