



MATHEMATICS



N.S. Yr. 3 P.59

Checking answers

Equipment

Paper, pencil, ruler

MathSphere

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Concepts

Checking answers remains important and should be going on whenever sums are completed.

Where it is possible, checking by carrying out the inverse operation is a good idea – adding to check subtraction sums, and multiplying to check division sums etc.

On addition of three numbers it is advisable to check by adding the numbers in a different order – often looking for pairs of numbers that make ten.

By doing a different sum, or the same sum in a different order, it is less likely that the same mistake will be repeated.

Checking answers - subtraction

When you do a subtraction sum it is a good idea to check the answer by adding. Just add your answer to the number after the subtraction sign.

Check whether these sums are correct, by doing an addition sum. Then mark them – a tick in the box if they are correct, a cross if they are wrong.

Tick/cross here

- | | | | |
|--------------------|--------------------------|----------------------------|--------------------------|
| 1. $110 - 30 = 90$ | <input type="checkbox"/> | check by doing $90 + 30 =$ | <input type="checkbox"/> |
| 2. $120 - 80 = 40$ | <input type="checkbox"/> | check by doing $80 + 40 =$ | <input type="checkbox"/> |
| 3. $113 - 40 = 83$ | <input type="checkbox"/> | check by doing $83 + 40 =$ | <input type="checkbox"/> |
| 4. $62 - 6 = 54$ | <input type="checkbox"/> | check by doing $54 + 6 =$ | <input type="checkbox"/> |
| 5. $75 - 9 = 66$ | <input type="checkbox"/> | check by doing $66 + 9 =$ | <input type="checkbox"/> |
| 6. $65 - 58 = 6$ | <input type="checkbox"/> | check by doing $58 + 6 =$ | <input type="checkbox"/> |
| 7. $84 - 48 = 36$ | <input type="checkbox"/> | check by doing $48 + 36 =$ | <input type="checkbox"/> |

Checking answers - subtraction

Hi, it's me again.

Where do hamsters come from?

Hamsterdam!

Oh, well, got your ticking pen ready!

**Check whether these sums are correct, by doing an addition sum.
Then mark them – a tick in the box if they are correct, a cross if they are wrong.**

Tick/cross here

1. $120 - 50 = 60$

☐

check by doing $60 + 50 =$

☐

2. $130 - 90 = 50$

☐

check by doing $90 + 50 =$

☐

3. $116 - 60 = 56$

☐

check by doing $60 + 56 =$

☐

4. $61 - 8 = 53$

☐

check by doing $53 + 8 =$

☐

5. $74 - 7 = 67$

☐

check by doing $67 + 7 =$

☐

6. $62 - 54 = 8$

☐

check by doing $54 + 8 =$

☐

7. $83 - 37 = 56$

☐

check by doing $56 + 37 =$

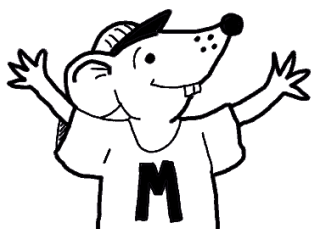
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Checking answers – doubling and halving

The best way to check a double is to look at the answer and halve it. See how many I got right on these:

Tick/cross here

- | | | | |
|----------------------|--------------------------|--------------------------------|--------------------------|
| 1. Double 34 is 68 | <input type="checkbox"/> | check by finding half of 68 = | <input type="checkbox"/> |
| 2. Double 25 is 50 | <input type="checkbox"/> | check by finding half of 50 = | <input type="checkbox"/> |
| 3. Double 17 is 32 | <input type="checkbox"/> | check by finding half of 32 = | <input type="checkbox"/> |
| 4. Double 75 is 140 | <input type="checkbox"/> | check by finding half of 140 = | <input type="checkbox"/> |
| 5. Double 65 is 130 | <input type="checkbox"/> | check by finding half of 130 = | <input type="checkbox"/> |
| 6. Double 350 is 700 | <input type="checkbox"/> | check by finding half of 700 = | <input type="checkbox"/> |
| 7. Double 150 is 350 | <input type="checkbox"/> | check by finding half of 350 = | <input type="checkbox"/> |
| 8. Double 29 is 48 | <input type="checkbox"/> | check by finding half of 48 = | <input type="checkbox"/> |
| 9. Double 18 is 36 | <input type="checkbox"/> | check by finding half of 36 = | <input type="checkbox"/> |
| 10. Double 75 is 150 | <input type="checkbox"/> | check by finding half of 150 = | <input type="checkbox"/> |

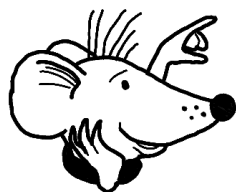
Checking answers – doubling and halving

So, if you halve something, check by doubling your answer.
Sounds easy, hope it is!

Tick/cross here

- | | | | |
|-----------------------|--------------------------|-------------------------|--------------------------|
| 1. Half of 28 is 14 | <input type="checkbox"/> | check by doubling 14 = | <input type="checkbox"/> |
| 2. Half of 32 is 17 | <input type="checkbox"/> | check by doubling 17 = | <input type="checkbox"/> |
| 3. Half of 70 is 45 | <input type="checkbox"/> | check by doubling 45 = | <input type="checkbox"/> |
| 4. Half of 140 is 70 | <input type="checkbox"/> | check by doubling 70 = | <input type="checkbox"/> |
| 5. Half of 38 is 18 | <input type="checkbox"/> | check by doubling 18 = | <input type="checkbox"/> |
| 6. Half of 150 is 85 | <input type="checkbox"/> | check by doubling 85 = | <input type="checkbox"/> |
| 7. Half of 350 is 150 | <input type="checkbox"/> | check by doubling 150 = | <input type="checkbox"/> |
| 8. Half of 36 is 18 | <input type="checkbox"/> | check by doubling 18 = | <input type="checkbox"/> |
| 9. Half of 250 is 125 | <input type="checkbox"/> | check by doubling 125 = | <input type="checkbox"/> |
| 10. Half of 98 is 49 | <input type="checkbox"/> | check by doubling 49 = | <input type="checkbox"/> |

- | | | | | | |
|-----|----------------|----|----|----|----|
| 1. | $35 \div 5 =$ | 3 | 5 | 7 | 9 |
| 2. | $20 \div 4 =$ | 5 | 6 | 7 | 8 |
| 3. | $26 \div 2 =$ | 9 | 11 | 13 | 15 |
| 4. | $30 \div 5 =$ | 2 | 4 | 5 | 6 |
| 5. | $45 \div 9 =$ | 3 | 5 | 7 | 9 |
| 6. | $24 \div 6 =$ | 3 | 4 | 5 | 6 |
| 7. | $70 \div 10 =$ | 7 | 8 | 9 | 10 |
| 8. | $18 \div 9 =$ | 1 | 2 | 3 | 4 |
| 9. | $45 \div 5 =$ | 6 | 7 | 8 | 9 |
| 10. | $28 \div 2 =$ | 12 | 14 | 16 | 18 |

Addition checking

What do mice do when they are at home?

Mousework!

Do these additions and then check your answer by adding them again in a different order:

1. $11 + 8 + 19 =$ or $19 + 11 + 8 =$

2. $13 + 3 + 14 =$ or $14 + 3 + 13 =$

3. $40 + 14 + 16 =$ or $16 + 14 + 40 =$

4. $25 + 15 + 15 =$ or $15 + 15 + 25 =$

5. $30 + 11 + 19 =$ or $19 + 11 + 30 =$

6. $12 + 20 + 18 =$ or $18 + 12 + 20 =$

7. $30 + 17 + 13 =$ or $13 + 17 + 30 =$

8. $15 + 25 + 35 =$ or $35 + 25 + 15 =$

9. $28 + 15 + 12 =$ or $28 + 12 + 15 =$

10. $24 + 11 + 16 =$ or $24 + 16 + 11 =$

Answers**Page 3**

- | | | | |
|----------------|------------------|----------------|----------------|
| 1. wrong : 120 | 2. correct : 120 | 3. wrong : 123 | |
| 4. wrong : 60 | 5. correct : 75 | 6. wrong : 64 | 7. correct: 84 |

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- | | | | |
|-----------------|-----------------|------------------|--------------|
| 1. wrong : 110 | 2. wrong : 140 | 3. correct : 116 | |
| 4. correct : 61 | 5. correct : 74 | 6. correct : 62 | 7. wrong: 93 |

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- | | | | | |
|-----------------|----------------|---------------|----------------|-----------------|
| 1. correct : 34 | 2. correct: 25 | 3. wrong : 16 | 4. wrong: 70 | 5. correct: 65 |
| 6. correct: 350 | 7. wrong: 175 | 8. wrong: 24 | 9. correct: 18 | 10. correct: 98 |

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- | | | | | |
|-----------------|---------------|----------------|-----------------|-----------------|
| 1. correct : 28 | 2. wrong : 34 | 3. wrong : 90 | 4. correct: 140 | 5. wrong : 36 |
| 6. wrong :170 | 7. wrong: 300 | 8. correct: 36 | 9. correct: 250 | 10. correct: 75 |

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The numbers circled are:

1. 7 2. 5 3. 13 4. 6 5. 5 6. 4 7. 7 8. 2 9. 9 10. 14

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1. 38 2. 30 3. 70 4. 55 5. 60 6. 50 7. 60 8. 75 9. 55 10. 51