

Written methods and order of operations

Calculate with larger numbers and choose operation order.

Name: _____ Date: _____

1. Calculate $4,307 \times 26$.

2. Calculate 7,392 divided by 24.

3. Calculate $5,000 - 2,768$.

4. Calculate $18 + 6 \times 4$.

5. Calculate $(18 + 6) \times 4$.

6. Find the highest common factor of 18 and 30.

7. Find the lowest common multiple of 9 and 12.

8. A school has 287 pupils. Each minibus holds 16 pupils. How many minibuses are needed?

Answers: Written methods and order of operations

Try the questions first. Use these notes to check your thinking.

1. **111,982**

$4,307 \times 20 = 86,140$ and $\times 6 = 25,842$.

2. **308**

$24 \times 300 = 7,200$ and $24 \times 8 = 192$.

3. **2,232**

Check by adding 2,768 and 2,232.

4. **42**

Multiply first: $6 \times 4 = 24$, then add 18.

5. **96**

Do the brackets first: 24×4 .

6. **6**

6 is the largest factor both numbers share.

7. **36**

9×4 and 12×3 both equal 36.

8. **18**

17 minibuses hold 272 pupils; the remaining 15 need another.

Original Trace Learn questions. Curriculum scope: maths programmes of study, Department for Education.
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