Maths Addition, Subtraction, Multiplication and Division



Maths I Year 6 I Addition, Subtraction, Multiplication and Division I Mental Calculations I Lesson 2 of 6: Players, Are You Ready?



Aim

• I can perform mental calculations with increasingly large numbers using all four operations.

Success Criteria

- I can partition into thousands, hundreds, tens, ones and tenths, adding the most significant digit first.
- I can add or subtract the nearest multiple of ten or 100, then adjust.
- I can identify near doubles.
- I can multiply or divide by four or eight by repeated doubling or halving.
- I can form an equivalent calculation.



How Much?



Look at your Target Decimal Board.





Some calculations we can do in our head mentally. We can write notes to help us remember key numbers while working out the answer.





Which strategy will be most useful when completing this calculation?





Which strategy will be most useful when completing this calculation?

962 - 443.5 = 518.5

Subtract the hundreds first We9con use0partisconing Theorhembendettadtentgens 562 - 40 = 522 Theistivudbres actabilitie immens into 150202 dreads to 14, ones Lastbytembensg csubbreaterintlys the hundreds first. The answer is 518.5.

Repeated doubling or halving

Compensation

REGENT STUDIES

Which strategy will be most useful when completing this calculation?

The nearest multiple of ten to 1459 is 1460. This is one To makenth than sig 5 to work out, Nge can size al supthod We ctd hand never the nad time b. our answer to make up for the othe stimatowe sadded to to ethe 1460rastenedibriplesefuterort o 100, ftbren oard jastingr. 1547 - 1 = 1546 1459 + 87 = 1546

Repeated doubling or halving

Compensation



Which strategy will be most useful when completing this calculation?

So the nearest multiple of 100 to 104 is 100. This is four less than 104. Guescanoolso siges We therpeneedttonactions our answer stabilitrate ing. for the four ones that we didn't This ulatratest as glet roacting to three reforests ensultiple coeff team or floor, the analyuseting. 545 - 4 = 541

Repeated doubling or halving

104 = 541

Compensation



Which strategy will be most useful when completing this calculation?

Double 170.1. To Mizake thizoelasier400.200rk dute, there are east a theolionset, hand we not evaluate to be ables 64.5 not 170.1. Therefore we Thisuilatral at s5 dout boling out hen adjussitiong. 340.2 - 5.6 = 334.6

Repeated doubling or halving

Compensation

64.5 + 170.1 = 334.6



Which strategy will be most useful when completing this calculation?

 15.5×2 is the same as Repeated If we doddale this. Suswer, it doubling or will obtable at & ve persited halving If volvalokinhotestolaissianestoles, it willobalequindenset4to Compensation 50 151.55.58 84. 124 Double 31 = 62 $15.5 \times 8 = 124$



Which strategy will be most useful when completing this calculation?

 $42 \div 2$ is the same as halving 42. Repeated Half of 42 = 21 We can use repeated If we halve this answer, it halving to solve this will be equivalent to doubling or halving Compensation Half of 21 = 10.5 $50 42 \div 4 = 10.5$ $2 \div 4 = 10.5$



Which strategy will be most useful when completing this calculation?





























Four-in-a-Row



In pairs, take turns to select a calculation to complete.





Calculation Countdown



Write three questions for the rest of the class to answer.





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