

Y4 Home Learning

Tuesday 9th June 2020

Task 1

English -



Finish the story.

After all the months of preparation and building excitement, the big day had finally arrived. In unison, the balloons all took off into the air, leaving the cheering crowd far below, gasping at the magnificent spectacle.

Task 2 – Reading

Either read your book, select an e-book from Oxford Owl or Bug Club and read for at least 20 minutes.



Calculating

Estimate and use inverse operations to check answers to a calculation

Explain how $7209 - 3862$ can be estimated.

Explain with an example why you can use an inverse calculation to check a subtraction.

Recognise and use factor pairs and commutativity in mental calculations

The factor pairs of 48 are: 1 and 48, 2 and 24, 3 and 16, 4 and 12, 6 and 8.

$4 \times 6 \times 5$ can be written:

$$2 \times 2 \times 6 \times 5 = 12 \times 10 = 120$$

Number Facts

Recall and use multiplication and division facts for multiplication tables up to 12×12

$$80 \times 7 = 440 \div 4 =$$

$$9 \times 40 = 270 \div 90 =$$

$$70 \times 60 = 7200 \div 8 =$$

$$11 \times 800 = 2400 \div 120 =$$

$$400 \times 12 = 5600 \div 700 =$$

Calculation Mat

Greater Depth Year 4

Solve Problems

Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why

Write a two-step addition and subtraction problem for this calculation:

$$789 - 345 = 444, 444 + 267 = 711$$

Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

Explain how the distributive law can help to calculate 173×8 .

An athlete runs 1500m one day. The following day, the athlete runs 6000m. What questions could be asked about the relationship between the two runs?

A school buys 12 bags of balls, which contain 60 balls in all. Class A receives 13 balls. How many bags does class A receive?

Methods

Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate

$$\begin{array}{r} 6029 \\ + 2457 \\ \hline \end{array} \quad \begin{array}{r} 5173 \\ - 1364 \\ \hline \end{array}$$

Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

Explain the reasoning behind the answers:

$$56 \times 1 = 56 \times 0 =$$

$$56 \div 1 =$$

$$7 \times 9 \times 5 = 315$$

Explain how you might calculate $203 + 7$ mentally.

Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

$$\begin{array}{r} 457 \\ \times \quad 8 \\ \hline \end{array}$$

