



# Maths

Addition, Subtraction,  
Multiplication and Division

# Problem Sorter



# Aim

- I can decide which operation to use and explain why.

# Success Criteria

- I can decide whether a problem has one or two steps.
- I can decide if I need to use addition, subtraction, multiplication or division.

# Head-to-Head



On the board, there will be a question along with four possible answers. The first person to touch the correct answer wins!

On Sunday, I spent 114 minutes on my art project, and 45 minutes on my maths homework. On Thursday evening, I spent a total of 162 minutes on my homework. What is the difference between the time I spend doing my homework on Sunday and Thursday evening?

Correct! Move on to the next question.

270 minutes

58 minutes

48 minutes

50 minutes



# Head-to-Head



On the board, there will be a question along with four possible answers. The first person to touch the correct answer wins!

Dad drives a truck. Last week he drove 267.7 miles on Monday, 195.5 miles on Tuesday and 199 miles on Wednesday. This week he drove 282.2 miles in total. What is the difference in mileage between this week and last week?

Correct! Move on to the next question.

369.2 miles

370.3 miles

373.5 miles

363.3 miles



# Head-to-Head



On the board, there will be a question along with four possible answers. The first person to touch the correct answer wins!

Correct! Move on to the next question.

=  $53.5 \times 4 + 20$

244.50      245.52

243.57      234.75

# Head-to-Head



On the board, there will be a question along with four possible answers. The first person to touch the correct answer wins!

One bar of chocolate cost £1.92. If I bought four. If I paid with a £20 note, how much change would I receive?

Correct! Move on to the next question.

£6.08

£5.92

£6.92

£5.08



# Head-to-Head



On the board, there will be a question along with four possible answers. The first person to touch the correct answer wins!

Correct! Move on to the next question.

$$879 \div 3 + 33 =$$

632      326

452      336



# Head-to-Head



On the board, there will be a question along with four possible answers. The first person to touch the correct answer wins!

I need to buy enough whiteboards for 172 children. There are 4 whiteboards in a pack. I bought 44 packs. When the packs arrived, 16 whiteboards are damaged. How many whiteboards are undamaged?

Correct! Move on to the next question.

200 whiteboards

163 whiteboards

188 whiteboards

212 whiteboard



# Head-to-Head



On the board, there will be a question along with four possible answers. The first person to touch the correct answer wins!

I got £48.50 for my birthday. I spent £12.50 on Saturday and £19.20 on Sunday. How much of my spending money have I got left?

Correct! Move on to the next question.

£15.90

£16.90

£16.70

£16.80



# Head-to-Head



On the board, there will be a question along with four possible answers. The first person to touch the correct answer wins!

Sally bought three photo frames, each costing £7.00. She paid with £30.00. How much change did she get?

Correct! Move on to the next question.

£7.35

£7.45

£8.20

£7.10



# Head-to-Head



On the board, there will be a question along with four possible answers. The first person to touch the correct answer wins!

$23.1 \times 4 - 15.2 =$

Correct! Move on to the next question.

27.7      77.2

70.2      72.7

▶

# Head-to-Head



On the board, there will be a question along with four possible answers. The first person to touch the correct answer wins!

Anne has £8.97. She bought some fruit. Now she has £5.34. How much did her fruit cost?

Correct! Move on to the next question.

£3.50      £2.98

£3.63      £3.73

# Head-to-Head



On the board, there will be a question along with four possible answers. The first person to touch the correct answer wins!

There are 92 children in school. One quarter of the year children cycle. How many children use other forms of transport?

Congratulations you completed the quiz.

26 children

23 children

25 children

28 children

# How Do You Solve a Problem?

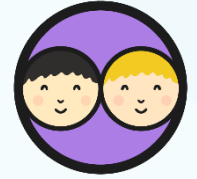
Toni buys 20 cupcakes priced £1.20 each and a sponge cake priced £9.70.  
How much did he spend altogether?



Lastly, we need to check our answer.  
We can check the answer by using a different strategy.  
What strategy could we use to check our answer?



# Operations

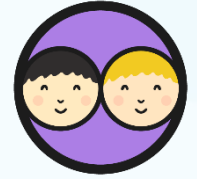


I'm going to show you a word problem. Your task is to identify the correct operation needed to solve the word problem.





# Operations



I'm going to show you a word problem. Your task is to identify the correct operation needed to solve the word problem.

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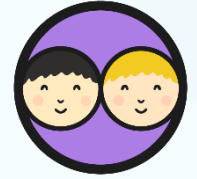
We encourage  
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messages

You would  
use division to solve  
this problem.

*I paid £6 for a bag of  
marbles. There are 25  
marbles in the bag.  
How much did one  
marble cost?*

$$\div$$

# Operations



I'm going to show you a word problem. Your task is to identify the correct operation needed to solve the word problem.

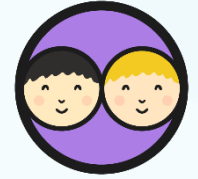
You would use addition to solve this problem.

*Candyfloss £2.50*  
*Toffee Apple £0.78*

*How much would it cost for a toffee apple and a bag of candy floss?*

+

# Operations



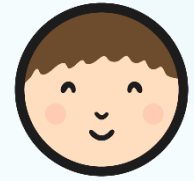
I'm going to show you a word problem. Your task is to identify the correct operation needed to solve the word problem.

You would use more than one operation to solve this problem.

Ralf has £20. He buys three pocket kites priced £3.68 each. How much money will he have left?

$\times$        $-$

# Problem Sorter



Read the questions carefully then answer the calculation and identify the operation needed to solve the problem.

**Problem Sorter**

I can decide which operation to use

Answer the questions and circle which operations you used.

- On Sunday, I spend 439 minutes on my painting landscape. On Thursday evening, I spent a total of 1000 minutes. What is the difference between the time I spend painting on Sunday and Thursday evening? \_\_\_\_\_ + - x ÷
- I got £293 for my birthday. I spent £54.38 on my birthday. How much spending money have I got left? \_\_\_\_\_ + - x ÷
- Raj buys 25 cupcakes priced £3.69 each and a birthday cake for £12.50. How much did he spend altogether? \_\_\_\_\_ + - x ÷
- Sarah completed her marathon raising £551.20 for her four chosen charities. Her mum insisted on giving her £100. How much did each charity receive? \_\_\_\_\_ + - x ÷
- Lex has £95.27. He wants to buy eight DVDs priced £12.50 each. How much money does he have left? \_\_\_\_\_ + - x ÷
- I think of a number. I multiply it by 3.9. My answer is 7.85. What was my starting number? \_\_\_\_\_ + - x ÷
- Each table in a classroom is 100cm long and 50cm wide. What is the total area of the tables in the classroom? \_\_\_\_\_ + - x ÷
- Ruby has 1.096l of juice. He shares it equally between 8 cups. How much juice does he have remaining? \_\_\_\_\_ + - x ÷

**Problem Sorter**

I can decide which operation to use

Answer the questions and circle which operations you used.

- On Sunday, I spend 114 minutes on my art project. On Thursday evening, I spent a total of 1000 minutes. What is the difference between the time I spend on Thursday evening? \_\_\_\_\_ + - x ÷
- I got £48.50 for my birthday. I spent £8.67 on my birthday. How much spending money have I got left? \_\_\_\_\_ + - x ÷
- Raj buys 25 cupcakes priced £2.40 each and a birthday cake for £12.50. How much did he spend altogether? \_\_\_\_\_ + - x ÷
- Kumar has 313 football stickers and 187 rugby stickers. How many stickers did each person receive? \_\_\_\_\_ + - x ÷
- Helena has £50. She buys eight CDs priced £5.50 each. How much money does she have left? \_\_\_\_\_ + - x ÷
- Mabel has 360 stickers. She shares them equally between 8 people. Out of her share, she gives her sister 54 stickers. How many stickers does she have remaining? \_\_\_\_\_ + - x ÷
- I think of a number. I multiply it by eight and then add 10. The answer is 200. What was my starting number? \_\_\_\_\_ + - x ÷

**Problem Sorter**

I can decide which operation to use and explain why.

Answer the questions and circle which operation you used to complete the calculation.

- I want to drive to Europe's largest sweet store which is 1535 miles away. I drive 249 miles and stop at the services for a cup of coffee. How many more miles do I have to drive? \_\_\_\_\_ + - x ÷
- I travelled 2100 metres in 600 seconds. On average, how many metres did I travel per second? \_\_\_\_\_ + - x ÷
- I think of a number. If I divide it by eight, the answer is 448. What was my starting number? \_\_\_\_\_ + - x ÷
- Margritte travelled 1134km by bus, 6394km by train and 732km by foot. What is the total distance Margritte has travelled? \_\_\_\_\_ + - x ÷
- Kevin rides 0.3km to school each day. How many kilometres will Kevin cycle in 32 school days? \_\_\_\_\_ + - x ÷
- A 1kg bag of sweets costs £15.98 and a jar of sweets costs £4.59 less. How much does the jar of sweets cost? \_\_\_\_\_ + - x ÷
- Small Fish £2.58  
Large Fish £3.05  
Chips: £1.54  
Carton of Peas: £0.54  
How much would it cost for one small fish, one large fish, two portions of chips and a carton of peas? \_\_\_\_\_ + - x ÷

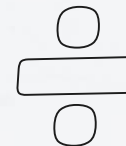
# All Sorted



Select the correct operations to solve the word problem:

Kumal has 313 football stickers and 187 rugby stickers. He shares them equally between ten people. How many stickers did each person receive?

*50 stickers*



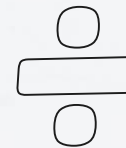
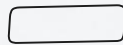
# All Sorted



Select the correct operations to solve the word problem:

I think of a number. I divide it by 25 then multiply the answer by four. The answer is 128.  
What was my starting number?

800



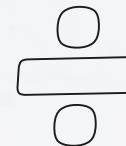
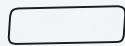
# All Sorted



Select the correct operations to solve the word problem:

Ruby has 1.096l of juice. She shares it equally between four cups. Her sister drinks one cup. How much juice does she have remaining?

*822 millilitres or 0.822l*



# Aim



- I can decide which operation to use and explain why.

# Success Criteria

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