

- 24 Write $11\frac{5}{7}$ as an improper fraction.

$$\frac{82}{7}$$

- 25 Multiply.

$$\begin{array}{r} 98 \\ \times 46 \\ \hline \end{array}$$

$$4508$$

26 $1\frac{2}{3} - \frac{1}{6} = \boxed{?}$

Show your answer in the simplest form.

$$1\frac{1}{2}$$

- 27 Ravi is $1\frac{2}{5}$ m tall. His cousin is $\frac{3}{10}$ m taller than him.

How tall is Ravi's cousin?

$$1\frac{7}{10} \text{ m}$$

- 28 Add.

$$\frac{1}{6} + \frac{1}{3} + \frac{1}{2} = \boxed{?}$$

$$1$$

- 29 Divide.

$$4168 \div 8 = \boxed{?}$$

$$521$$

- 30 There are 12 904 people at a carnival. There are 7 times as many children as adults. How many children are there?

11 291

- 31 Arrange the fractions in descending order.

$$1\frac{3}{8}, \frac{7}{4}, 1\frac{1}{2}$$

$$\frac{7}{4}, 1\frac{1}{2}, 1\frac{3}{8}$$

- 32 A company bought 9 computers. If each computer cost £1388, what was the total cost of the 9 computers?

$$\text{£}1388 \times 9 = \text{£}12\,492$$

The total cost of the 9 computers was £12 492

- 33 Sam takes 3 minutes to run around the school field twice. How many times can he run around the field in 15 minutes?

$$15 \div 3 = 5$$

$$5 \times 2 = 10$$

He can run around the field 10 times

10

CHALLENGE



What is the missing 4-digit number?

	Th	H	T	O
	—	—	—	—
+	6	3	9	5
	8	9	4	9

Annie, Mo and Alex are working out the solution to the calculation $6,374 + 2,823$

Annie's Strategy

$$6,000 + 2,000 = 8,000$$

$$300 + 800 = 1100$$

$$70 + 20 = 90$$

$$4 + 3 = 7$$

$$8,000 + 1100 + 90 + 7 = 9,207$$

Mo's Strategy

	6	3	7	4
+	2	8	2	3
	8	1	9	7

Alex's Strategy

	6	3	7	4
+	2	8	2	3
				7
			9	0
	1	1	0	0
	8	0	0	0
	9	1	9	7

Who is correct?



1,235 people go on a school trip.

There are 1,179 children and 27 teachers.
The rest are parents.

How many parents are there?

Explain your method to a friend.

Amir and Tommy solve a problem.

When I subtract 546
from 3,232 my answer
is 2,714



Amir



Tommy

When I subtract 546
from 3,232 my answer
is 2,686

Who is correct?

Explain your reasoning.

Why is one of the answers wrong?

Answers below:

What is the missing 4-digit number?

	Th	H	T	O
	—	—	—	—
+	6	3	9	5
	8	9	4	9

2,554

Annie, Mo and Alex are working out the solution to the calculation $6,374 + 2,823$

Annie's Strategy

$$6,000 + 2,000 = 8,000$$

$$300 + 800 = 1100$$

$$70 + 20 = 90$$

$$4 + 3 = 7$$

$$8,000 + 1100 + 90 + 7 = 9,197$$

Mo's Strategy

	6	3	7	4
+	2	8	2	3
	8	1	9	7

Alex's Strategy

	6	3	7	4
+	2	8	2	3
				7
			9	0
	1	1	0	0
	8	0	0	0
	9	1	9	7

Who is correct?

Alex is correct with 9,197

Annie has miscalculated $300 + 800$, forgetting to exchange a ten hundreds to make a thousand (showing 11 tens instead of 11 hundreds).

Mo has forgotten both to show and to add on the exchanged thousand.



1,235 people go on a school trip.

There are 1,179 children and 27 teachers.
The rest are parents.

How many parents are there?

Explain your method to a friend.

Add children and teachers together first.

$$1,179 + 27 = 1,206$$

Subtract this from total number of people.

$$1,235 - 1,206 = 29$$

29 parents.

Amir and Tommy solve a problem.

When I subtract 546 from 3,232 my answer is 2,714



Amir



Tommy

When I subtract 546 from 3,232 my answer is 2,686

Tommy is correct.

Amir is incorrect because he did not exchange, he just found the difference between the numbers in the columns instead.

Who is correct?

Explain your reasoning.

Why is one of the answers wrong?