

Name _____

1 Calculate.

$$2,140 + 794$$



1 mark

$$10,000 - 4,192$$



1 mark

$$3,261 \times 7$$



1 mark

$$276 \div 4$$



1 mark

2 Complete the missing digits.

	2		7	4
+		1	4	
<hr/>				
	5	5	1	7

3 Eva's house is worth £653,000
Amir's house is worth £179,000 less than Eva's house.

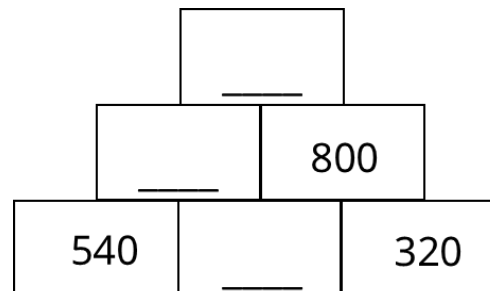
Complete the bar model to represent the information.

Eva's house

Amir's
house

_____ ← _____

4 Complete the addition pyramid.



2 marks



2 marks



3 marks

- 5 Circle **all** the square numbers.

1 2 10 49 144



2 marks

- 6 Tick the cards that are common factors of 12 and 18

☐ 6 ☐ 9 ☐ 36 ☐ 2 ☐ 4



2 marks

- 7 Use the fact $12 \div 4 = 3$ to complete the calculations.

$$120 \div 4 = \square$$

$$124 \div 4 = \square$$

$$\square \div 4 = 0.3$$



3 marks

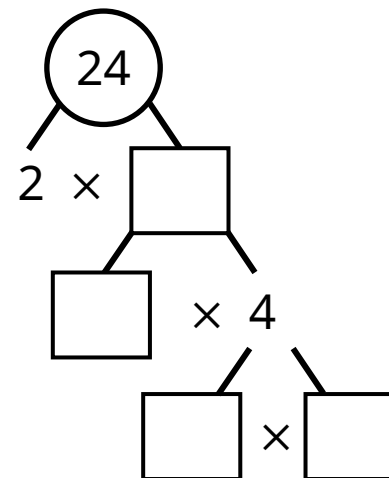
- 8 Tick the card that has the greatest value.

☐ 10^2 ☐ 3^3 ☐ 5^3



1 mark

- 9 Complete the prime factor tree.



2 marks

- 10 Which two calculations give the same answer?

☐ **A** $6 + 4 \times 7$

☐ **B** $(6 + 4) \times 7$

☐ **C** $6 + (4 \times 7)$

_____ and _____



1 mark

- 11 Amy completes the calculation $145 \div 6$
She gets a remainder of 7
Explain how you know Amy is incorrect.



1 mark

- 12 Pencils are put into packs of 24
There are 3,608 pencils.
How many packs of pencils can be made?

_____ full packs _____ pencils left over.

How many more pencils are needed to make another full pack?



1 mark



1 mark

- 13 Complete the calculations.

$$8 \times 6 = 4 \times \boxed{}$$

$$\boxed{} \div 6 = 444 \div 12$$



2 marks

- 14 Dora thinks of a positive whole number.
She says,
• It is an odd number less than 30
• It is one more than a multiple of 11
Is her number prime?
Explain your reasoning.



1 mark

- 15 Write A, B and C in the correct place to complete the table.

A Square number **C** Multiple of 6
B Not a square number **D** Not a multiple of 6

	36, 144	6, 24, 60, 18
D	9, 16, 25, 49, 100	7, 15, 31



2 marks

- 16 Work out 89 squared.

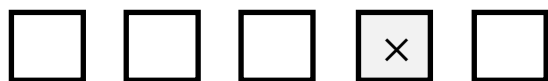


2 marks

- 17 Ron uses these digit cards.



He makes a 3-digit number and a 1-digit number.
He multiplies them together.
His answer is odd.
What could the multiplication be?



- 18 Alex has 3 boxes of eggs.
There are 6 eggs in each box.
He takes one egg out of each box.

Circle the calculation that shows the total number of eggs in the boxes now.

$(3 \times 6) - 1$ $3 \times (6 - 1)$ $3 \times 6 - 1$

- 19 Work out the missing numbers.

$$2 \times 3 + 4 \times \square = 70$$

$$2 \times (3 + 4) \times \square = 70$$

- 20 4 boxes have a mass of 292 kg.
4 boxes and 7 bags have a mass of 656 kg.

What is the mass of 1 bag?

_____ kg

- 21 There are 5 times as many pens in box A than box B.
Tom moves 76 pens from box A to box B.
Both boxes now have the same number of pens.

How many pens are in box A now?

_____ pens



1 mark



1 mark



2 marks



2 marks



2 marks