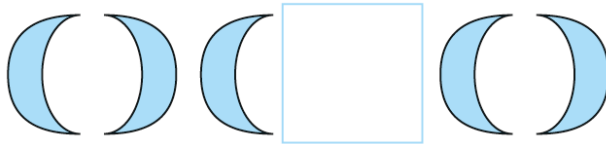
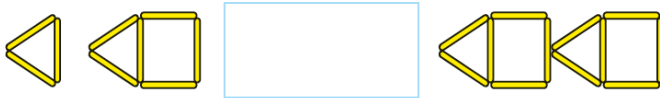
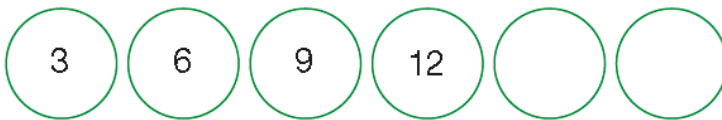


Grade 4 Math Test Review - PATTERN

Complete the pattern



Write the next pattern:



Write the missing numbers

**a** 1, 4, , 10, 13

**b** 10, 17, 24, , 38

**c** , 10, 18, 26, 34

**d** 3, 6, 12, 24, ,

**e** 35, 32, , 26, 23,

**f** 29, 39, 49, , 69

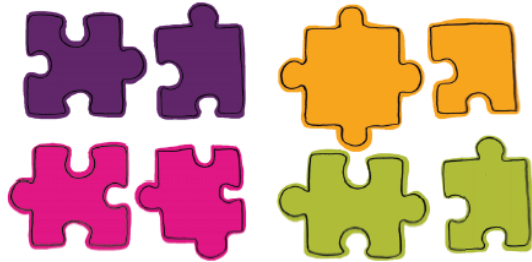
**g** 27, , 23, 21, 19,

**h** 3, 6, 12, , 48

**Grade 4 Math Test Review - TIME**

- a** How many minutes are there in 1 hour?  minutes
- b** How many minutes are there in 3 hours?  minutes
- c** How many minutes are there in half an hour?  minutes

Sultan took 3 hours to finish his puzzle, Majed took 190 minutes to finish his puzzle. Who finished their puzzle in the fastest time?



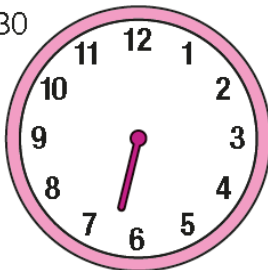
Dana and Maha are sisters. Dana is 108 months old and Maha is 48 months old. How many years older is Dana than Maha?

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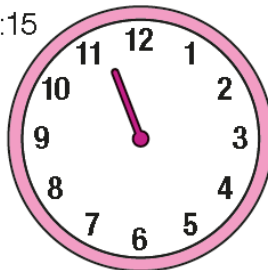
- a** How many hours are there in 1 week?  hours
- b** How many half hours are there in 1 day?  half hours

The minute hand has fallen off these clocks. Draw it on, using a ruler.

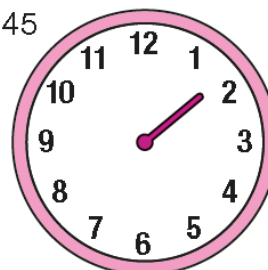
**a** 6:30



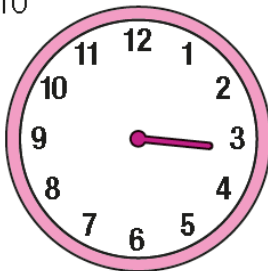
**b** 11:15



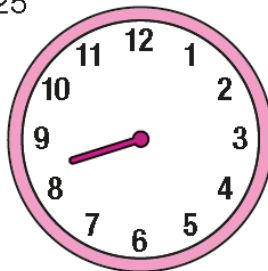
**c** 1:45



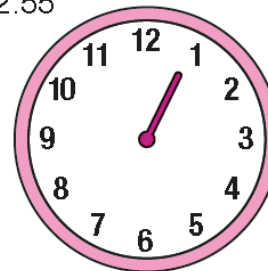
**d** 3:10



**e** 8:25



**f** 12:55



Complete the sentence and circle am or pm.

**a** I wake up at  am / pm.

**b** I arrive at school at  am / pm.

**c** I have lunch at  am / pm.

**d** I get ready for bed at  am / pm

Draw lines to connect clocks and watches that are showing the same times.



**Grade 4 Math Test Review - MONEY**

Read the prices of the items then answer the questions in each box.

apples: 5 AED, 75 fils per kg

bananas: 8 AED, 25 fils per kg

potatoes: 12 AED, 25 fils per kg

melons: 1 AED, 50 fils each

carrots: 7 AED, 25 fils per kg

broccoli: 7 AED, 75 fils per kg

**b** Kamis bought 1 kg of potatoes and 1 kg of apples. What did he pay for them?

He paid with notes and coins. What could they be?

Can you find a different answer?

**c** Badria bought 1 kg of apples and 1 kg of bananas. What did she pay for them?

She paid with notes and coins. What could they be?

Can you find a different answer?

**d** Hussain bought 1 kg of carrots and 1 kg of broccoli. What did he pay for them?

He paid with notes and coins. What could they be?

Can you find a different answer?

Hussain had 10 AED and he bought two cards. One card was 3 AED and the other was 50 fils cheaper. Write your solutions to the questions in the boxes.

**a** How much was the other card?

**b** How much did he pay altogether?

**c** How much change would he get from 10 AED?

Aisha went to the shop. She had three 1 AED coins, two 50 fils and three 25 fils coins. She wanted to buy one pen, one pencil, one sharpener and a rubber. Did she have enough money? Show your working.

**Grade 4 Math Test Review - Rounding to add and subtract**

- 4 Here is a list of food left over from a party. Use rounding to create an estimate and use it to assess the 'reasonableness' of the totals. How accurate is your estimate?

Items left	Estimated total	My estimate	Reasonable?	Accuracy of my estimation
Small chocolates $378 - 339 =$	19	$380 - 340 = 40$	Not reasonable	This will be close to the actual answer as both numbers have only been rounded a little bit.
Mints $499 - 397 =$	72			
Apples $159 - 78 =$	81			
Nuts $902 - 297 =$	605			

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- Huda decorated a dress with sequins from a container holding 824. She used 663 in total. Huda calculates that there are 261 green sequins left in the container.

Use rounding to decide whether Huda's calculation is reasonable.

- Huda used 376 blue sequins. The blue sequins are different shapes: circles and triangles. Huda knows that she used 215 circles. She estimates that there were around 160 triangles.

Use rounding to decide whether Huda's estimation of the number of blue triangle sequins is reasonable.

**Grade 4 review - Multiplication 2 digits with 1**

**This is how you can solve any 2 digit x 1 digit**

We can solve  $24 \times 3$  by splitting 24 into smaller numbers and multiplying each number by 3.



Problem	Partition the larger number	Model with tens frames and enter the values in the grid	Answer				
$27 \times 3$	$27 = 20 + 7$	$3$ <table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>20</td><td>7</td></tr> <tr><td>60</td><td>21</td></tr> </table>	20	7	60	21	$60 + 21 = 81$
20	7						
60	21						
$43 \times 6$		<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td> </td><td> </td></tr> </table>			<input style="width: 100px; height: 20px;" type="text"/>		
$83 \times 9$		<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td> </td><td> </td></tr> </table>			<input style="width: 100px; height: 20px;" type="text"/>		

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Word problem	Number problem	Partition the large number and enter the values in the grid	Answer		
A bookcase has three shelves. There are 48 books on every shelf. How many books does the bookcase hold?		<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td> </td><td> </td></tr> </table>			<input style="width: 100px; height: 20px;" type="text"/>
A box contains 61 DVDs. How many DVDs are there in six boxes?		<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td> </td><td> </td></tr> </table>			<input style="width: 100px; height: 20px;" type="text"/>
Sara pours 85 mL of fruit juice into each of eight cups. What is the total volume of juice she has poured?		<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td> </td><td> </td></tr> </table>			<input style="width: 100px; height: 20px;" type="text"/>

Grade 4 Review - Divide 2 digit by 1

Problem	Partition the larger number	Enter values in grid	Answer			
$64 \div 4$	$64 = 40 + 24$	$  \begin{array}{r}  40 \quad 24 \\  4 \overline{) 64} \\  \underline{40} \phantom{0} \\  24 \\  \underline{20} \\  4  \end{array}  $	$10 + 6 = 16$			
$96 \div 8$		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> </table>			<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	
$84 \div 6$		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> </table>			<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	

Word problem	Number problem	Partition the large number and enter the values in the grid	Answer			
A piece of wood is 72cm long. It is divided into three equal pieces. How long is each piece?		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> </table>			<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	
It takes 70 building bricks to build five small robots. How many bricks are needed to make one robot?		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> </table>			<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	
Eight identical containers hold 88 litres between them. How many litres are there in one container?		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> </table>			<table border="1" style="width: 100%; height: 20px;"><tr><td></td></tr></table>	

Grade 4 Review - Multiplication and Division

A man works 38 hours each week. How many hours does he work in four weeks?

Hussain uses a small container with a capacity of 57 mL to fill a larger container. What is the capacity of the large container if it takes seven cups to fill it?

78 trains pass through a station every hour. How many trains pass through in nine hours?

$9 \times 10$

$35 \div 7$

$27 \div 9$

$7 \times 4$

$9 \times 8$

$56 \div 7$

$7 \times 6$

$81 \div 9$

$9 \times 5$

$7 \times 10$

Write the  $7 \times$  and  $9 \times$  multiplication and division facts that include each of the numbers below. The first set of facts have been completed.

$7 \times 5 = 35 \div 7 = 5$

$\square \times \square = 36 \div \square = \square$

$\square \times \square = 56 \div \square = \square$

$\square \times \square = 45 \div \square = \square$



Use your knowledge of what happens when numbers are multiplied to, say whether the answers to these questions are reasonable or not.

Question	Answer	Is the answer reasonable? (Yes/No)
Each basket in a supermarket contains 76 oranges. How many oranges are there in seven baskets?	532 oranges	Yes because the question involves multiplying and so the answer should be much larger than 76.
It takes a man 48 minutes to walk to work. How long does it take him to make six of these journeys?	288 mins	
A painter is decorating a large house. He must paint 27 walls each day. How many walls will he have painted in three days?	9 walls	

3 Say whether you think these answers are reasonable, and why.

a

I had to work out how many seats a small cinema has if it has eight rows and 56 seats in each row. My answer was 7!



b

I had to work out the length of a path that a person could walk in six equal lengths of 54 metres. My answer was 324 metres!



Reasonable/unreasonable because...

Reasonable/unreasonable because...

c

I had to work out the height of a tower that has 27 floors and each floor is 9 metres in height. I said that the height of the tower is 243 metres!



d

I had to work out the number of cards in a table arrangement of seven rows of 35 cards. I said there would be a total of 5 cards.



Reasonable/unreasonable because...

Reasonable/unreasonable because...

Write (impossible - certain) next to the sentence

- The Sun will come up tomorrow.
- September will be the next month after March.
- A cow will fly.
- Next year will be 2010.
- Someone will catch a bus in Abu Dhabi tomorrow.
- If I jump up in the air I will land back on the floor.

Grade 4 - Number sentences

For each sentence, find the unknown.

**a**  $6 + \square = 9$       **b**  $\square - 8 = 9$       **c**  $\square + 5 = 8$

**d**  $12 - \square = 4$       **e**  $13 + \square = 24$       **f**  $\square - 13 = 6$

**g**  $\square + 19 = 32$       **h**  $20 - \square = 3$       **i**  $18 + \square = 37$

**2** For each sentence, find the unknown number.

**a**  $3 \times \square = 18 - 6$       **b**  $20 \div \square = 1 + 3$       **c**  $\square - 2 = 2 \times 9$

**d**  $2 + 2 = \square \div 4$       **e**  $1 \times \square = 18 \div 6$       **f**  $16 \div \square = 2 \times 4$

**g**  $\square \times 3 = 4 \times 6$       **h**  $20 \div \square = 15 \div 3$       **i**  $9 \times 4 = 3 \times \square$

**a** Ali's goats have 20 legs between them. How many goats does Ali have?

**b** Nasser had 16 onions. If eight of them went bad, how many did he have left?

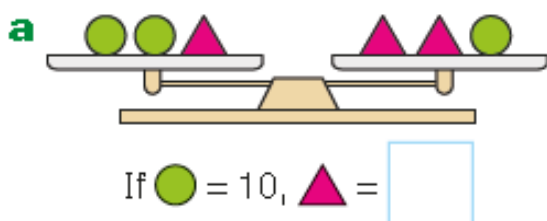
Read the word problems, write the number sentence and solve it.

**a** Abdullah shares 20 glass beads equally between four people. How many glass beads do they each get?

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**b** Hanan planted 15 seeds. Only nine of them grew. How many seeds did not grow?

**2** Find the unknown numbers.



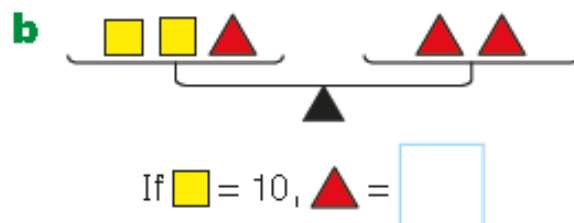
Find the unknown numbers.

**a**

<input type="text"/>	5
11	

↓

<input type="text"/>



**b**

12	<input type="text"/>
17	

↓

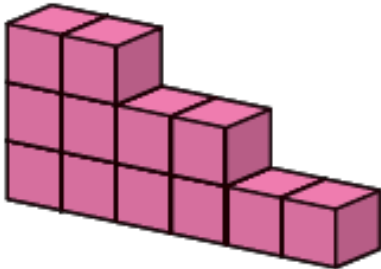
<input type="text"/>

## Grade 4 Review - Volume

Write the volume of each shape.

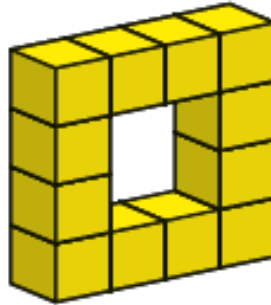
**a** Volume:

cubic cm



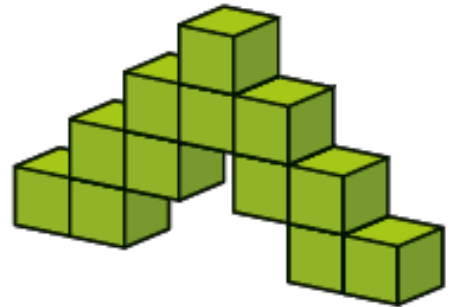
**b** Volume:

cubic cm



**c** Volume:

cubic cm



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