

Key Facts to Learn

Learning Exercises 15 to 17

L15. Measurement: metric

Mass / Weight

- 1000 mg (milligram) = 1 g (gram)
- 1000 g = 1 kg (kilogram)
- 500 g = $\frac{1}{2}$ kg



The oranges weigh 700 g.



There are 500 ml of milk in the jug.

Capacity

- 1000 ml (millilitre) = 1 l (litre)
- 500 ml = $\frac{1}{2}$ l

L16. Measurement: telling the time, 12-hour clock

- am and pm are used for the 12-hour clock.
- am is used for times up to midday, for example, 7:29 am.
- pm is used for times from midday to midnight, for example, 9:09 pm.



7:29 am



9:09 pm

Practice Exercise 14b and 14c

Problem Solving

P14b

- Write these numbers

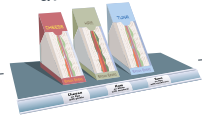
1 2 3 4 5 6 9

one in each box, so that each line of three numbers adds up to 12.

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P14c

- There are 48 people on a train. Half are reading a newspaper. One quarter are reading a book and the rest are talking.
 - How many are not reading?
 - If a quarter of those reading get off, how many people are still on the train?
- David bought a drink and a sandwich for £5.60.
 - The sandwich cost £4 more than the drink. How much was the sandwich?



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- We say, "Eighteen forty-nine" or "Forty-nine minutes past eight."

- Put numbers in the circles so that the total along each side of the polygon is equal to the number in the centre.

- Use these numbers: 5, 6, 7, 8

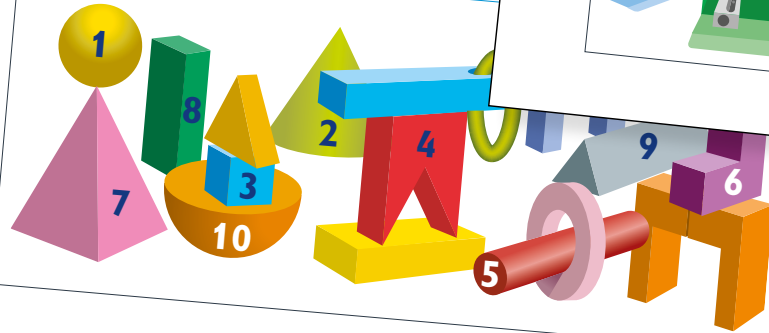
Practice Exercise 27c

Geometry: 3-D Shapes

P27c

- Complete each set of boxes to include the number and name of these shapes in the set of building blocks.

1	A curved shape with no edges.		A shape with 8 vertices, 12 edges and rectangular faces.
4	An irregular shape with 7 faces.	2	
5	A shape with two edges and no vertices.	6	A shape with 6 faces and 12 edges.
	A shape with two triangular faces.	10	A hemisphere.
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Thinking Tasks 13 to 15

T13. Paying the bill

- Choose five items you or your family buy and find out the price of each one.
- You can ask somebody, look at the receipt, see if the price is written on the packet or find out by going to a shop.
- Add up all the prices to find the total.
- What change would you receive if you paid this amount only in notes?

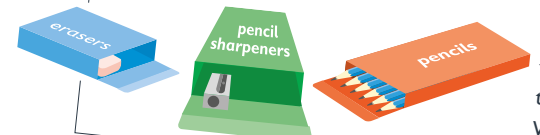


T14. Number

- This number is 4 into zero. Put \times , \div , $+$, $-$ in the same circle.
- Now design 4 machines, all starting with an even number and ending with an odd number.

T15. Puzzle time

- Here's a problem for you to solve.
 - Draw a 12 x 12 grid.
 - Divide it into 36 squares each 2 x 2.
 - Draw over the lines in pen.



- Now here's the problem: Using a pencil, draw over the lines in any horizontal or diagonal line. You may have to do this several times, but keep trying. Well done if you solve this problem!