

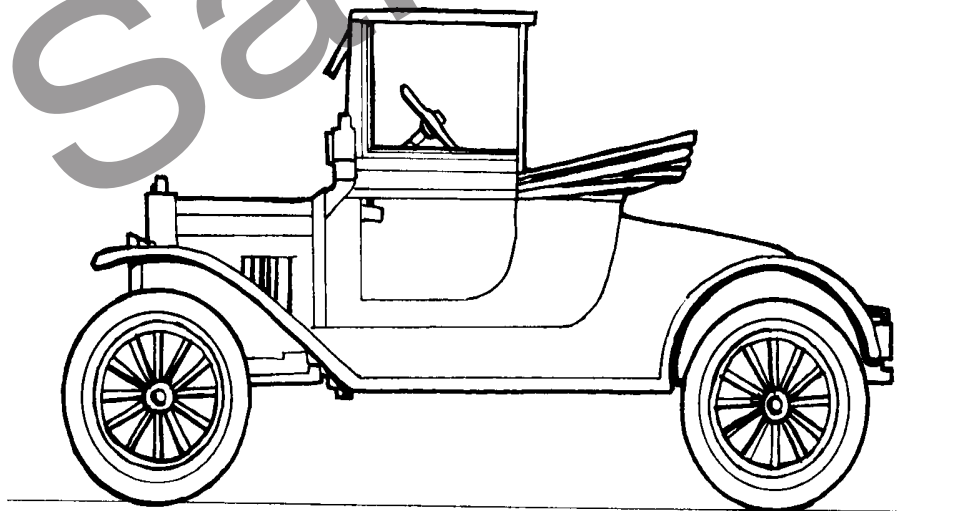
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Transport

Book 2

Activities for 8-10 yrs



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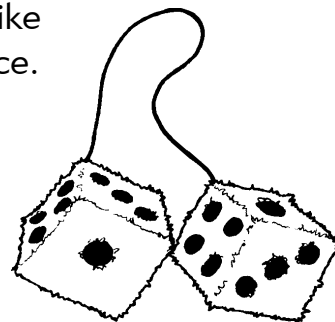
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Fluffy Dice

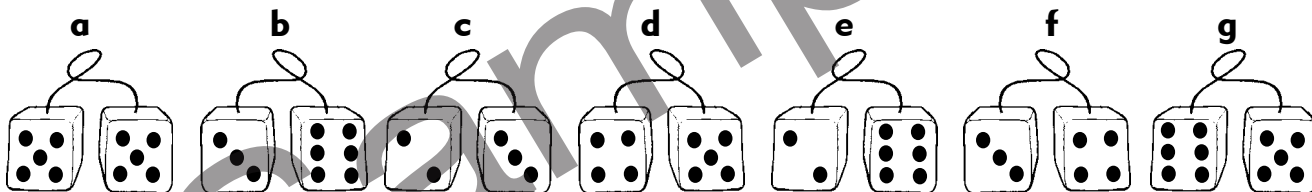
- ☐ Just as people like to decorate their houses, some people like to decorate the inside of their cars with things like fluffy dice. What other objects do people use to decorate their car?

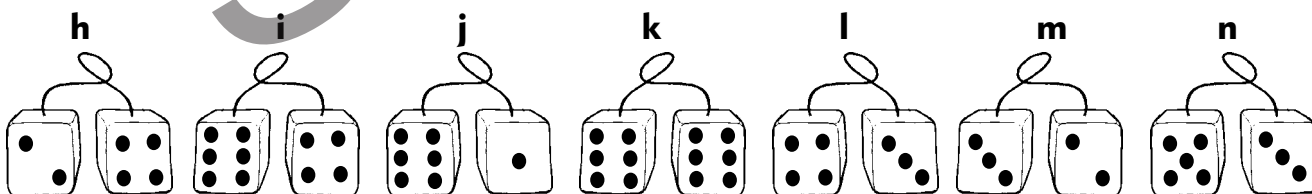


- ☐ Multiply the faces of the dice together to discover the answer to the joke below. Find the answers in the code below and then write them in the correct space: What happened to the wooden car with the wooden engine and the wooden wheels?

a b c d e f g h i j k l m n

1	2	3	4	5	6	8	9	10	12	14	15	16	18
J	A	M	U	F	blank	E	Q	Z	O	H	!	R	T
20	21	22	24	25	26	27	28	30	32	33	34	35	36
W	C	B	N	I	V	L	Y	D	X	K	S	P	G



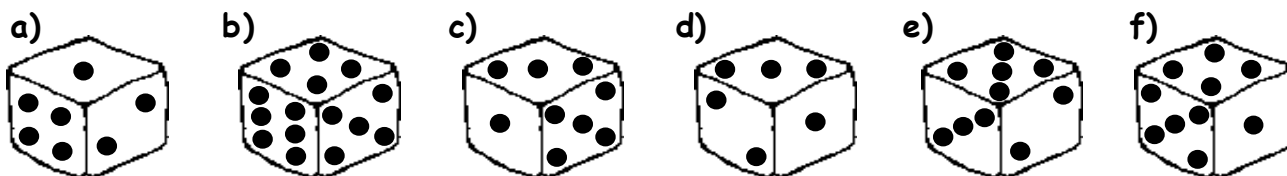


- ☐ Complete the following.

What type of shape best describes a dice? _____

It has _____ sides. It has _____ edges. It has _____ vertices.

If the *opposite* sides of a dice always add to 7, then colour the mistake below.

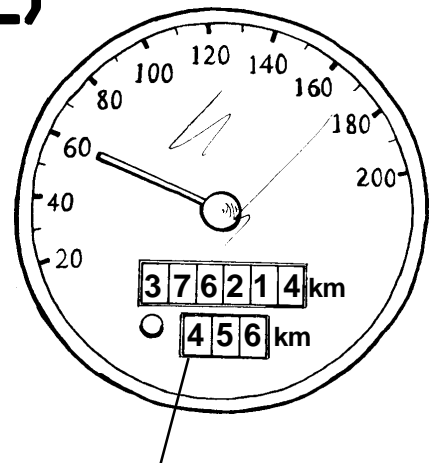


Odometers (2)

Odometers measure the total distance a vehicle has travelled. Some vehicles also have *trip odometers* which can be used to measure the distance of an individual journey.

Even if you don't have a trip odometer, it is easy to calculate how far your vehicle has gone by subtracting the odometer reading at the start of your trip (*initial reading*) from the reading you have when you arrive at your destination (*final reading*).

e.g. Final reading: 234898 km
 Initial reading: — 234667 km
 Distance: 231 km



**trip
odometer**
 (pressing the
 button will
 reset it to 0)

☐ Fill in the boxes to show how far the vehicles have gone.

1) Final reading 000268
 Initial reading 000152
 Distance km

2) Final reading 602596
 Initial reading 602353
 Distance km

3) Final reading 511345
 Initial reading 511236
 Distance km

4) Final reading 253173
 Initial reading 253164
 Distance km

5) Final reading 023576
 Initial reading 022458
 Distance km

6) Final reading 043864
 Initial reading 043349
 Distance km

7) Final reading 520357
 Initial reading 510269
 Distance km

8) Final reading 262531
 Initial reading 250437
 Distance km

9) Final reading 953462
 Initial reading 902563
 Distance km

10) Final reading 231525
 Initial reading 120526
 Distance km

Human Transportation (2)

Questions

☐ Use the story on page 21 to help you answer these questions.

1. How do most people travel from England to Australia today? _____
2. List 5 things that would be different about making the trip today compared with 1787.

1. _____

2. _____

3. _____

4. _____

5. _____

☐ If you could interview John what 8 questions would you ask him about his life?

1. _____

2. _____

3. _____

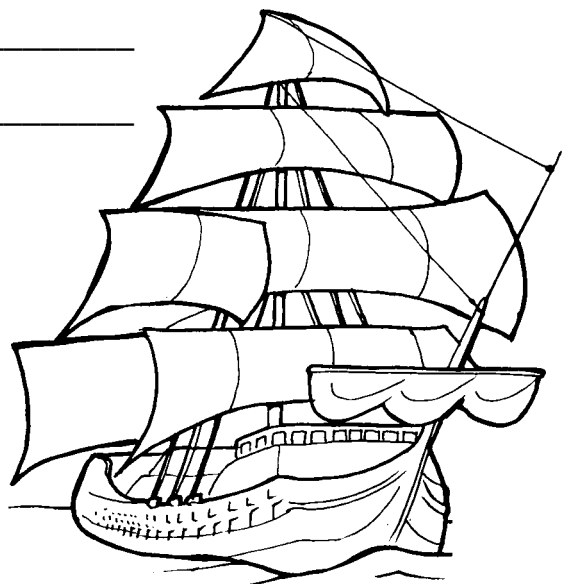
4. _____

5. _____

6. _____

7. _____

8. _____



Internal Combustion Engine (1)

One of the first working internal combustion engines was built by a German engineer called Nikolaus Otto in 1876.

The engines that are found in cars today might be a little bit bigger and a little bit more powerful than Herr Otto's but basically they still work in the same way.

☐ The following experiments will help you to understand about what happens under the bonnet.

Experiment 1

You will need:

1 teaspoon of baking soda
(sodium bicarbonate)
1 tablespoon vinegar
(acetic acid)
Disposable latex glove
Clear plastic cup
Elastic band



What to do:

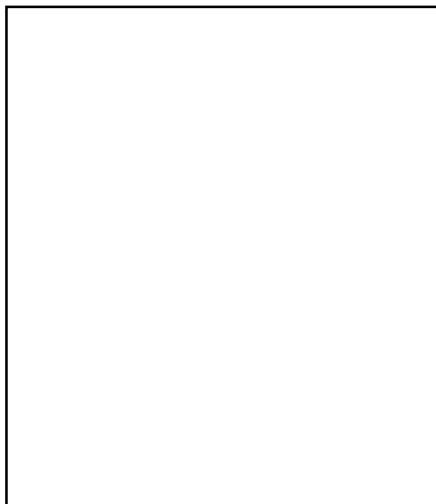
- Step 1 Go outside.
- Step 2 Place the baking soda into the end of one of the glove's fingers.
- Step 3 Pour the vinegar into the cup.
- Step 4 Being careful to keep the powder trapped in the finger, slip the glove over the top of the cup. You may want to use an elastic band to hold it there.
- Step 5 Lift the glove so that the powder slides into the liquid.
- Step 6 Observe what happens.



Results:

Draw what happened.

Before



After

