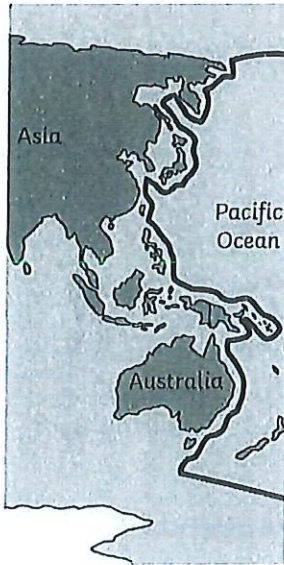
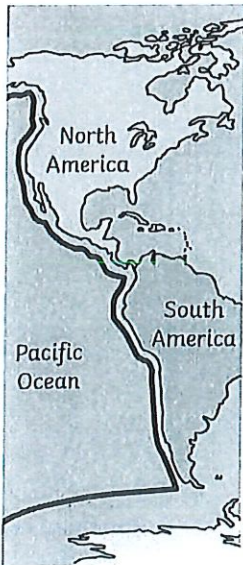


Oceans of the World

An ocean is a large body of salt water. There are five oceans in the world. They cover 71% of the Earth's surface!



Pacific Ocean

The Pacific Ocean is the biggest ocean in the world. The name 'Pacific' means 'peaceful' because it is calmer than the other oceans. Here you will find the Great Barrier Reef, the world's largest coral reef. You will also find Challenger Deep, the deepest place on Earth.

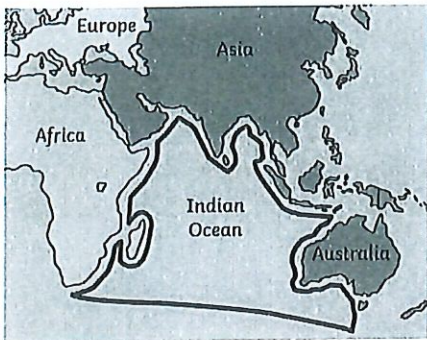
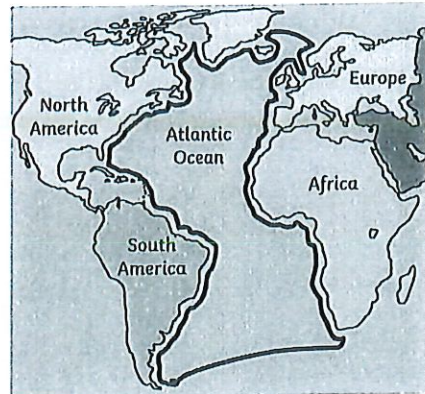


Did You Know?

Humans have only explored 5% of the world's oceans!

Atlantic Ocean

The Atlantic Ocean is the second biggest ocean in the world. It is half the size of the Pacific Ocean. Here you will find the Mid-Atlantic Ridge, the longest mountain range in the world, which runs from Iceland all the way to Antarctica.

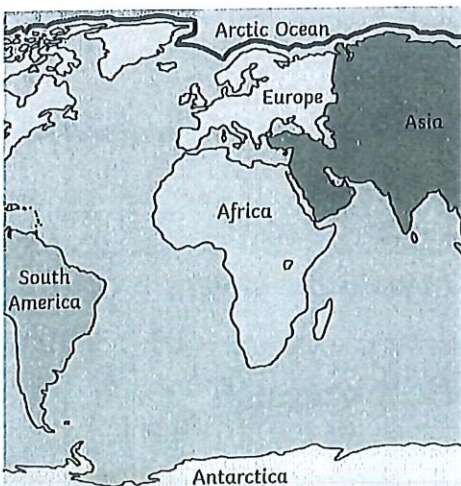
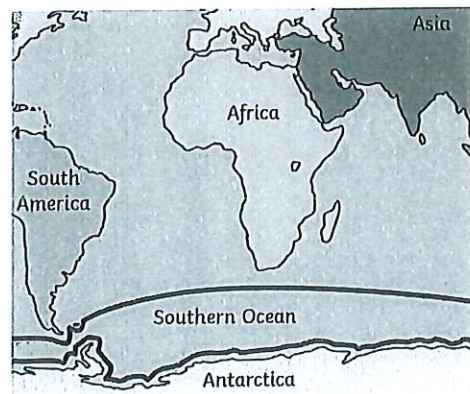


Indian Ocean

The Indian Ocean is the third biggest ocean in the world. Even still, it is $5\frac{1}{2}$ times bigger than the USA! It is named after the country of India. The Indian Ocean is the youngest of all the oceans.

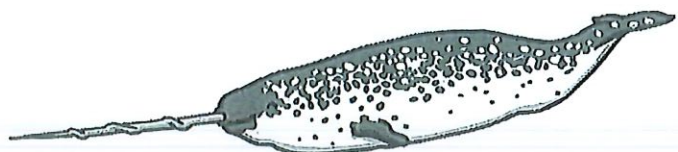
Southern Ocean

The Southern Ocean is the second smallest ocean in the world. It is also known as the Antarctic Ocean. It surrounds Antarctica and is the wildest and coldest ocean in the world. It is home to the emperor penguin.



Arctic Ocean

The Arctic Ocean is the smallest ocean in the world. In winter, it freezes over and polar bears live on the ice. The Arctic Ocean is home to walrus and the amazing narwhal.



Questions

1. Is an ocean fresh water or salt water?

2. Name the largest ocean in the world.

3. Name the smallest ocean in the world.

4. In which ocean would you find the emperor penguin?

5. In which ocean is the Mid-Atlantic Ridge, the world's longest mountain range?

Answers

1. Is an ocean fresh water or salt water?

An ocean is salt water.

2. Name the largest ocean in the world.

The largest ocean is the Pacific Ocean.

3. Name the smallest ocean in the world.

The smallest ocean is the Arctic Ocean.

4. In which ocean would you find the emperor penguin?

Emperor penguins can be found in the Southern Ocean.

5. In which ocean is the Mid-Atlantic Ridge, the world's longest mountain range?

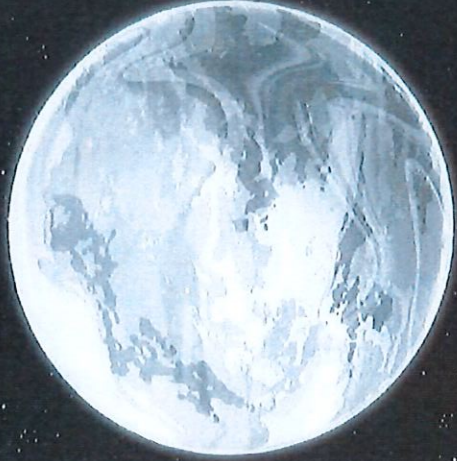
The Mid-Atlantic Ridge can be found in the Atlantic Ocean.

Mercury



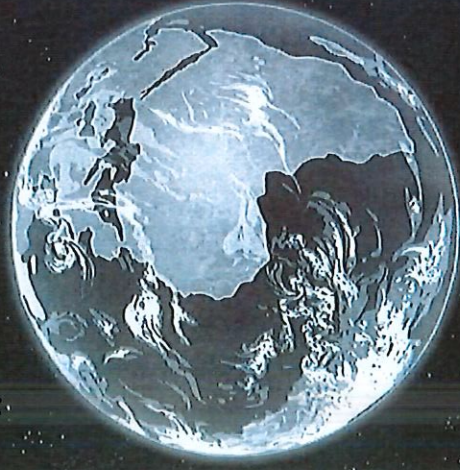
Size (diameter):	4879.4km
Moons:	0
Distance from Sun:	53.29 million km
Length of year:	88 days
Length of day:	58 days 15 hours 30 minutes
Temperature:	-173°C to 427°C
Atmosphere:	hydrogen, helium, oxygen, sodium and potassium

Venus



Size (diameter):	12 104km
Moons:	0
Distance from Sun:	107.48 million km
Length of year:	225 days
Length of day:	116 days 18 hours 0 minutes
Temperature:	around 470°C
Atmosphere:	carbon dioxide (96.5%), nitrogen and sulphur dioxide

Earth



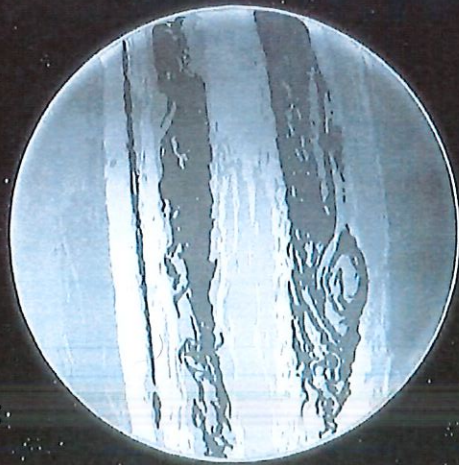
Size (diameter):	12 742km
Moons:	1
Distance from Sun:	151.75 million km
Length of year:	365 days
Length of day:	24 hours
Temperature:	between -88°C and 58°C
Atmosphere:	
	Nitrogen 78.08%
	Oxygen 20.95%
	Argon 0.93%
	Carbon dioxide 0.04%

Mars



Size (diameter):	6791km
Moons:	2 (Phobos and Deimos)
Distance from Sun:	227.9 million km
Length of year:	687 days
Length of day:	1 day 0 hours 37 minutes
Temperature:	between -140°C and 20°C
Atmosphere:	
	Oxygen: 0.13%, CO ₂ : 95.32%
	CO: 0.08%, N: 2.7%, Ar: 1.6%

Jupiter



Size (diameter):	139 822km
Moons:	79
Distance from Sun:	778.89 million km
Length of year:	12 years
Length of day:	9 hours 56 minutes
Temperature:	about -145°C
Atmosphere:	

This planet is made up mostly of gas. Almost the entire planet is made up of hydrogen and helium, with traces of ammonia, sulphur and water vapour.

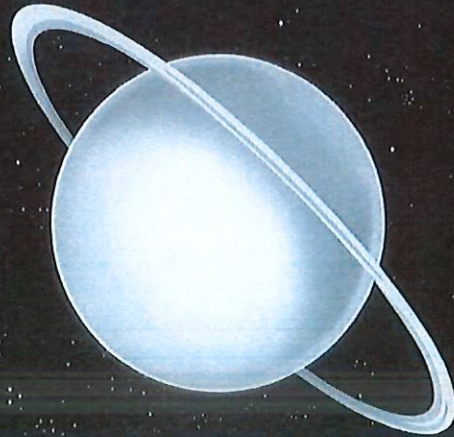
Saturn



Size (diameter):	116 464km
Moons:	82
Distance from Sun:	1.5 billion km
Length of year:	29 years
Length of day:	10 hours 42 minutes
Temperature:	between -185°C and -122°C
Atmosphere:	

This planet is made up mostly of gas. Almost the entire planet is made up of hydrogen (~75%), helium (~25%) and traces of methane and water.

Uranus



Size (diameter):	50 724km
Moons:	27 (Titania, Oberon, Miranda, Ariel, Umbriel, etc.)
Distance from Sun:	2.94 billion km
Length of year:	84 years
Length of day:	17 hours 14 minutes
Temperature:	around -224°C
Atmosphere:	

This planet is made up mostly of gas. Almost the entire planet is made up of hydrogen and helium, with traces of ammonia, water and methane.

Neptune

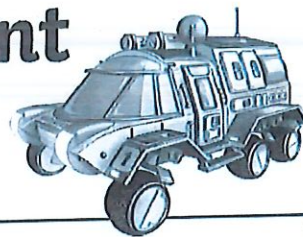


Size (diameter):	49 244 km
Moons:	13 confirmed, 1 provisional
Distance from Sun:	4.48 billion km
Length of year:	165 years
Length of day:	16 hours 6 minutes
Temperature:	around -210°C
Atmosphere:	

This planet is made up mostly of gas. Almost the entire planet is made up of hydrogen, helium and methane.

Solar System Fact Hunt

Use books, the Internet or the Solar System Fact Cards to find the answers to the following questions.



Which planet orbits closest to the Sun?

Which planet has the highest maximum temperature?

Which planet's atmosphere contains the highest percentage of carbon dioxide?

How much bigger is Earth than Mars?

Which planet has the shortest day?

Which planets are made of gas?

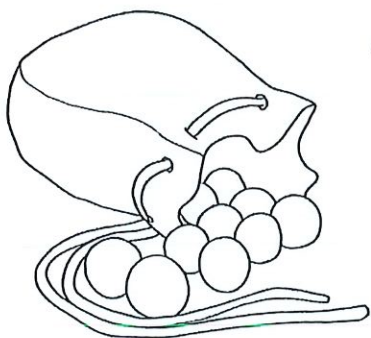
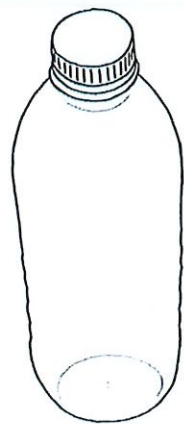
Which planet has the most moons?

What is the Earth's atmosphere made mostly of?

One-Step Multiplication

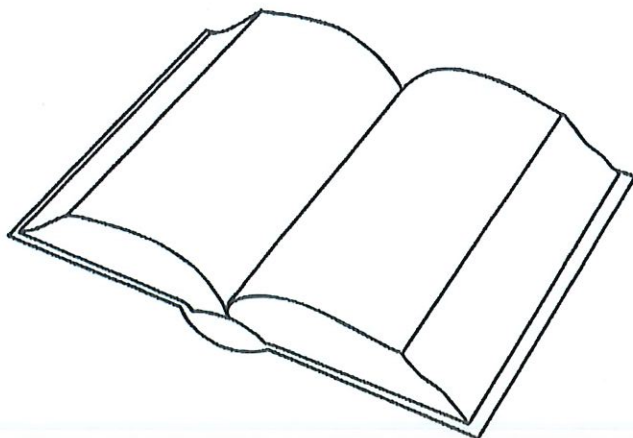
Word Problems

1. A teacher asks some children to arrange some chairs into 12 rows of eight chairs. How many chairs will be laid out? _____
2. A crate contains 32 packs of four water bottles. How many bottles are there on each crate? _____
3. A photo album contains 28 pages. Each page can hold six photos. How many photos can each album hold? _____
4. A grocer has 37 packs of bananas. Each pack contains seven bananas. How many bananas are in the packs? _____



5. Marbles are sold in bags of 25. A shop has 16 bags. How many marbles are there altogether? _____
6. A badminton tournament is arranged at a local sports hall. There are 5 courts. Each court is allocated 18 shuttlecocks. How many shuttlecocks are allocated to the 5 courts? _____

7. Envelopes are sold in packs of ten. A supplier has 107 packs of envelopes. How many envelopes has the supplier? _____
8. A library has 50 shelves. Each shelf has 38 books. How many books are there in the library? _____



Name _____

Date _____

Numbers halfway between

18 — — 28

27 — — 87

25 — — 75

70 — — 130

38 — — 56

115 — — 205

24 — — 36

85 — — 115

Ordering numbers

Put these numbers in order from lowest to highest.

53 57 35 75 111

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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235 325 523 334 532

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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23 123 231 213 312

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Rounding up and down

Round these numbers to the nearest 10

23 132 642

77 432 321

112 567 1236

Round these numbers to the nearest 100

112 1234 324

1386 4876 1923

764 32 76

Addition Worksheet

$$\begin{array}{r}) 34 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} b) 32 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} c) 79 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} d) 31 \\ +32 \\ \hline \end{array}$$

$$\begin{array}{r} e) 12 \\ +31 \\ \hline \end{array}$$

$$\begin{array}{r} f) 14 \\ +52 \\ \hline \end{array}$$

$$\begin{array}{r} g) 82 \\ +31 \\ \hline \end{array}$$

$$\begin{array}{r}) 53 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} i) 65 \\ +43 \\ \hline \end{array}$$

$$\begin{array}{r} j) 32 \\ +14 \\ \hline \end{array}$$

$$\begin{array}{r} k) 89 \\ +13 \\ \hline \end{array}$$

$$\begin{array}{r} l) 12 \\ +29 \\ \hline \end{array}$$

$$\begin{array}{r} m) 31 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} n) 42 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r}) 74 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} p) 77 \\ +17 \\ \hline \end{array}$$

$$\begin{array}{r} q) 61 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} r) 51 \\ +51 \\ \hline \end{array}$$

$$\begin{array}{r} s) 35 \\ +64 \\ \hline \end{array}$$

$$\begin{array}{r} t) 19 \\ +19 \\ \hline \end{array}$$

$$\begin{array}{r} u) 41 \\ +39 \\ \hline \end{array}$$

Addition Worksheet

$$\begin{array}{r} \text{i) } 56 \\ +23 \\ \hline \end{array}$$

$$\begin{array}{r} \text{b) } 72 \\ +11 \\ \hline \end{array}$$

$$\begin{array}{r} \text{c) } 59 \\ +45 \\ \hline \end{array}$$

$$\begin{array}{r} \text{d) } 32 \\ +32 \\ \hline \end{array}$$

$$\begin{array}{r} \text{e) } 10 \\ +44 \\ \hline \end{array}$$

$$\begin{array}{r} \text{f) } 54 \\ +32 \\ \hline \end{array}$$

$$\begin{array}{r} \text{g) } 99 \\ +21 \\ \hline \end{array}$$

$$\begin{array}{r} \text{h) } 43 \\ +21 \\ \hline \end{array}$$

$$\begin{array}{r} \text{i) } 21 \\ +89 \\ \hline \end{array}$$

$$\begin{array}{r} \text{j) } 58 \\ +37 \\ \hline \end{array}$$

$$\begin{array}{r} \text{k) } 98 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} \text{l) } 48 \\ +21 \\ \hline \end{array}$$

$$\begin{array}{r} \text{m) } 33 \\ +14 \\ \hline \end{array}$$

$$\begin{array}{r} \text{n) } 32 \\ +11 \\ \hline \end{array}$$

$$\begin{array}{r} \text{o) } 45 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} \text{p) } 73 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} \text{q) } 35 \\ +32 \\ \hline \end{array}$$

$$\begin{array}{r} \text{r) } 16 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} \text{s) } 52 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} \text{t) } 21 \\ +44 \\ \hline \end{array}$$

$$\begin{array}{r} \text{u) } 65 \\ +37 \\ \hline \end{array}$$

Addition Worksheet

i)
$$\begin{array}{r} 21 \\ +28 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 75 \\ +22 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 52 \\ +13 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 42 \\ +22 \\ \hline \end{array}$$

e)
$$\begin{array}{r} 76 \\ +21 \\ \hline \end{array}$$

f)
$$\begin{array}{r} 33 \\ +35 \\ \hline \end{array}$$

g)
$$\begin{array}{r} 76 \\ +19 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 54 \\ +32 \\ \hline \end{array}$$

i)
$$\begin{array}{r} 42 \\ +78 \\ \hline \end{array}$$

j)
$$\begin{array}{r} 53 \\ +12 \\ \hline \end{array}$$

k)
$$\begin{array}{r} 72 \\ +12 \\ \hline \end{array}$$

l)
$$\begin{array}{r} 54 \\ +43 \\ \hline \end{array}$$

m)
$$\begin{array}{r} 15 \\ +41 \\ \hline \end{array}$$

n)
$$\begin{array}{r} 43 \\ +32 \\ \hline \end{array}$$

o)
$$\begin{array}{r} 66 \\ +14 \\ \hline \end{array}$$

p)
$$\begin{array}{r} 12 \\ +12 \\ \hline \end{array}$$

q)
$$\begin{array}{r} 10 \\ +32 \\ \hline \end{array}$$

r)
$$\begin{array}{r} 19 \\ +21 \\ \hline \end{array}$$

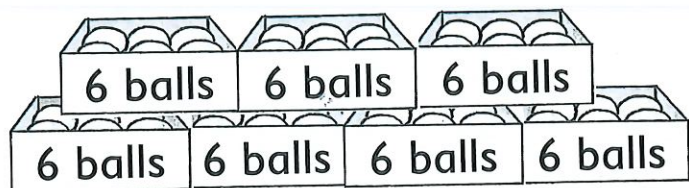
s)
$$\begin{array}{r} 23 \\ +24 \\ \hline \end{array}$$

t)
$$\begin{array}{r} 17 \\ +44 \\ \hline \end{array}$$

u)
$$\begin{array}{r} 18 \\ +34 \\ \hline \end{array}$$

Name: _____

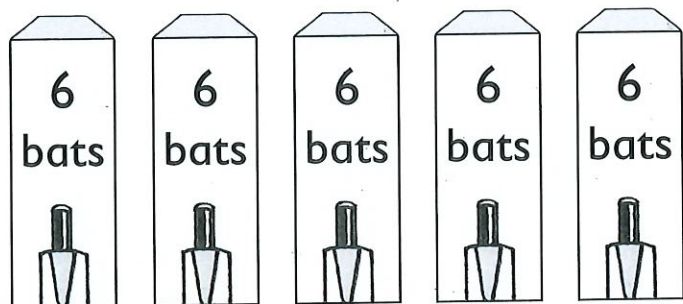
- 1 How many boxes
- balls?



$$7 \times 6 =$$

$$42 \div 6 =$$

- 2 How many boxes
- bats?



$$5 \times 6 =$$

$$30 \div 6 =$$

3 Complete.

$$\begin{array}{c} 0 \div 6 = \\ \downarrow \\ 6 \div 6 = \\ \downarrow \\ 12 \div 6 = \end{array}$$

$$\begin{array}{c} 18 \div 6 = \\ \downarrow \\ 24 \div \quad = 4 \\ \downarrow \\ \div 6 = 5 \\ \downarrow \\ 36 \div \quad = 6 \end{array}$$

$$\begin{array}{c} \div 6 = 7 \\ \downarrow \\ 48 \div \quad = 8 \\ \downarrow \\ \div 6 = 9 \\ \downarrow \\ 60 \div \quad = 10 \end{array}$$

- 4 Divide 18 by 6.
- 36 divided by 6
- 60 divided by 6
- Divide 24 by 6.

- How many sixes make 48?
- Share 6 equally among 6.
- Divide 54 equally among 6.
- Group 12 in sixes.

Name: _____

1 How many

bags



marbles?



$$6 \times 9 =$$

$$54 \div 9 =$$

2 How many

bags



marbles?

$$4 \times 9 =$$

$$\div 9 =$$

3 Complete.

$$0 \div 9 =$$



$$9 \div 9 =$$

$$\rightarrow 18 \div 9 =$$



$$27 \div 9 =$$



$$36 \div 9 =$$

$$\rightarrow 45 \div =$$



$$\div 9 = 6$$



$$63 \div =$$

$$\rightarrow \div 9 = 8$$



$$81 \div =$$



$$\div 9 = 10$$

4 Divide 72 by 9.

How many nines make 45?

27 divided by 9

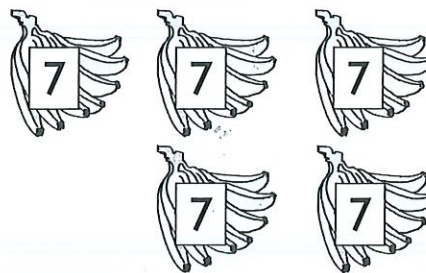
Share 90 equally among 9.

Divide 9 by 9.

Group 63 in nines.

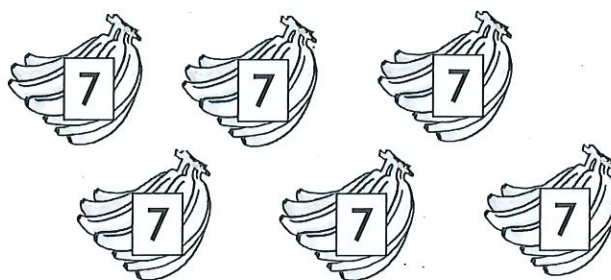
0 divided by 9

Divide 81 equally among 9.

1 How many bunches bananas? 

$$5 \times 7 =$$

$$35 \div 7 =$$

2 How many bunches bananas? 

$$6 \times 7 =$$

$$42 \div 7 =$$

3 Complete.

$$0 \div 7 =$$



$$7 \div 7 =$$

$$\rightarrow 14 \div 7 =$$



$$21 \div 7 =$$



$$28 \div 7 =$$

$$\rightarrow \quad \div 7 = 5$$



$$42 \div \quad =$$



$$\quad \div 7 = 7$$

$$\rightarrow 56 \div \quad =$$



$$\quad \div 7 = 9$$



$$70 \div \quad =$$

4 Divide 21 by 7. 7 divided by 7 0 divided by 7 Divide 70 by 7. Share 49 equally among 7. Group 28 in sevens. How many sevens make 14? Divide 63 equally among 7.

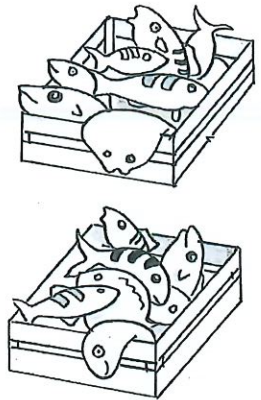
Name: _____

Pupil
Sheet

50

1 How many trays are needed?

	Sardines	Cod	Haddock	Sole	Trout
Number of fish	24	72	63	18	42
Each tray holds	6	8	7	9	6
Trays needed					



2 Complete.

$0 \div 6 =$



$7 \div 7 =$

→ $16 \div 8 =$



$27 \div 9 =$



$40 \div 10 =$

→ $\div 7 = 5$



$\div 6 = 6$



$\div 9 = 7$

→ $64 \div = 8$



$54 \div = 9$



$90 \div = 10$

3 (a) $30 \div 6$ (b) $30 \div 3$

h

d

(c) $8 \div 8$ (d) $42 \div 7$

a

(e) $24 \div 8$ (f) $56 \div 7$

e

i

(g) $81 \div 9$ (h) $36 \div 9$

j

c

g

f

(i) $56 \div 8$ (j) $14 \div 7$

b

Join the dots in order.

Start with the **smallest** answer.