







Monday

- Write six hundred and eighty-five as a numeral.
- Round 267 to the nearest 10.
-  What time is it? :
- $9 \times 6 = 54$ so $54 \div 9 =$
 $6 \times 9 = 54$ so $54 \div 6 =$
- How many corners has a cone?
- $50 \div 6 =$ R
- What is the third month of the year?
- Arrange these numbers in order of size, starting with the smallest: 0.7, 0.9, 0.5. , ,
- What fraction of the flowers are red? 
- $€5 - €1.60 =$
- Write the next two terms in this sequence: 2, 4, 8, ,
- $(25 \times 16) = (25 \times 10) + (\text{ } \times 6)$
- By how many centimetres is 3m 48cm longer than 2m 96cm?
- Janet spent €34.65 in a shop. How much change did she get from €40.00?
- There were 652 people at a match. 233 were men, 159 were women. How many children were at the match?
- There were 7 jars of sweets on a shelf. Each jar had 56 sweets. How many sweets were there altogether?

Tuesday


- $708 =$ h t u
- $6 \times 7 =$
- $60 + 700 + 9 =$
- What time is **6:55**?
- Ring the horizontal line.
a  b  c 
- A cylinder has edges.
- What fraction is shaded? 
- $\frac{1}{8}$ of = 9
- is the eleventh month.
- Fill in the correct sign (<, > or =).
 $\frac{4}{10}$ 0.8
- $46 \div 9 =$ R
- $(\frac{1}{2} \text{ of } 50) + 5 =$

Arrivals

Due from Paris	4:15	Due from Barcelona	5:20
Due from Orlando	6:15	Due from London	6:30

- The plane from Paris is 30 minutes delayed. At what time will it arrive?
- Mary arrived in the airport at **4:40** to meet the flight from Barcelona. How many minutes will she have to wait?
- The Orlando flight is delayed by 2 hours 15 minutes. At what time will it arrive?
- The plane from London left at **5:35**. How many minutes did the flight take?

Wednesday

- $678c = €$
- Does this shape tessellate? 
- $8 \times 4 = 32 + 8 =$
 $4 \times 8 = 32 + 4 =$
- $16 \div 5 =$ R
- $$\begin{array}{r} \text{h t u} \\ 569 \\ + 346 \\ \hline \end{array}$$

What is the chance of pulling the following coloured beads from the bag?

- yellow: in
- red: in
- blue: in
- green: in
- Which colour has the greatest chance of being picked?
- Which colour has the least chance of being picked?
- Fill in the correct sign ($<$, $>$ or $=$).
 $\frac{4}{10}$ $\frac{1}{2}$



- A garden is 10 squares long and 12 squares wide. What is the area of the garden?
- A bus left the bus stop at **3:15**. It arrived back at **3:55**. How long did the journey last?
- There are 32 biscuits in a box. Each child on a team got 6 and there were 2 left over. How many children are on the team?
- A chair has 4 legs. How many legs are there on 32 chairs?

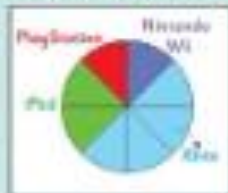
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Thursday

- Arrange these numbers in order of size, starting with the smallest: 342, 456, 145. , ,
- $0.6 = \frac{6}{10}$. What is the missing number?
- What is the value of the underlined digit: 372?
- $457\text{cm} =$ m cm
- $7 \times 8 =$
- $\frac{1}{4}$ of 36 =
- $€1.25 =$ c
- $6 \overline{) 42}$
- $76 \times 10 =$
- $$\begin{array}{r} 3\text{kg } 453\text{g} \\ + 2\text{kg } 345\text{g} \\ \hline \end{array}$$
- $\frac{1}{8}$ of a number is 8. What is the number?
- What date comes after the 30th of April?

48 children played on electronic devices.

- How many children played on a PlayStation?
- How many children played on an iPad?
- How many children played on an Xbox?
- How many more played on an Xbox than on a Nintendo Wii?




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A quick look back 7




1. $\frac{1}{8}$ of a number is 6. What is the whole number? _____

2. How many times can I take 6 from 66? _____

3.  What time does this clock show?
_____ to _____

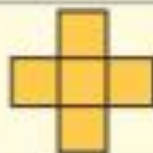
4.  This clock shows
_____ to _____

5. By how much is 660 greater than 340? _____

6.  A ladybird has 6 spots. How many spots have 7 ladybirds?

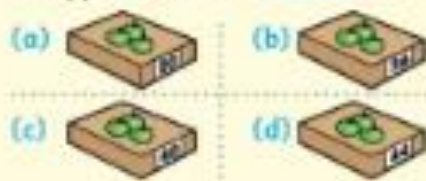
7. $63 \div 9 =$ _____


8. Draw 2 lines of symmetry on this shape.



9. Add    to €3.30. € _____



10. Which of these boxes of apples can be packed in trays of 4 or 8 leaving no apples left over? _____



11.  Write the time shown on this clock in **digital** form.

12.  Write the time shown on this clock in **digital** form.

13. Write $\frac{19}{4}$ as units and fractions. _____

14. Put the correct sign (<, = or >) in the 
 $\frac{1}{8}$ of 24  $\frac{1}{10}$ of 70

15. $\frac{72}{8} =$ _____

16. $\frac{1}{10}$ of a set = 5. The whole set = _____

17. $\frac{1}{8}$ of the 64 children in a school have green eyes. How many children have green eyes? _____

18. It is now **2:40**. Philip wants to get the **3:05** bus. How long has he to wait? _____ minutes

19. A television programme started at **4:50**. It lasted for 35 minutes. It finished at _____



20. Samir arrived for a party at **2:25** instead of **3:00**. How many minutes too early was he? _____ minutes

Extending place value

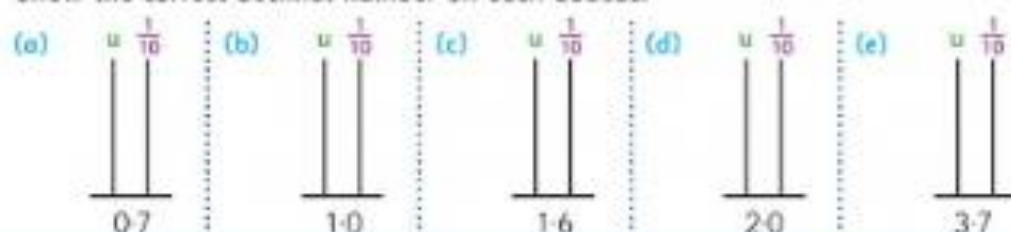
units $\frac{1}{10}$ tenths

This is one whole unit.

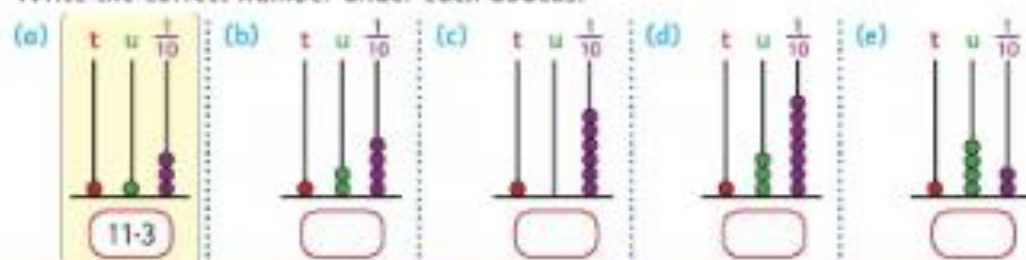
1.4

$= 1 \frac{4}{10} = 1.4$

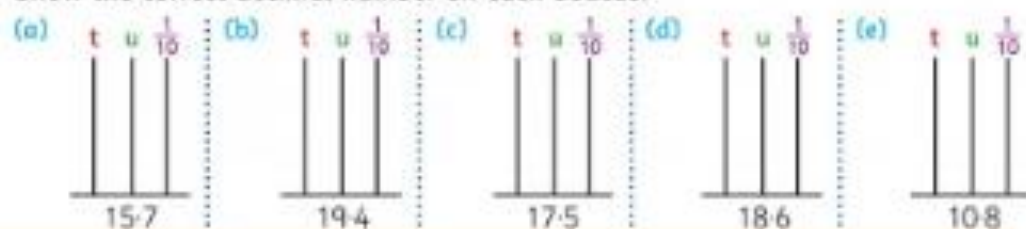
1. Show the correct decimal number on each abacus.



2. Write the correct number under each abacus.



3. Show the correct decimal number on each abacus.



4. Circle the decimal number that has:

(a) 3 units	24.3	23.2	32.3	56.7
(b) 9 units	91.9	64.9	99.6	27.4
(c) 9 tens	92.9	39.4	43.9	29.5
(d) 5 tenths	32.2	55.2	54.5	53.8

Zoom in on decimals!



1 unit									
$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	$\frac{10}{10}$
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0

Decimals are simply fractions. Another name for $\frac{1}{10}$ (one-tenth) is 0.1.



1. Colour the whole numbers **blue** and the fractions **green**.



1.4

2.6

3 $\frac{4}{10}$

1 $\frac{7}{10}$

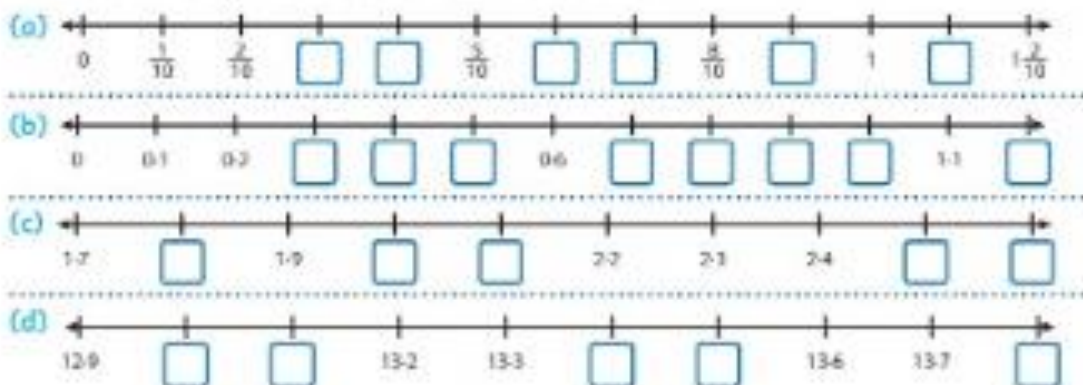
15.7

4.2

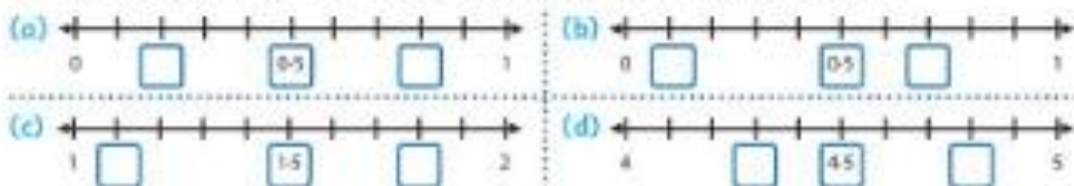
45.8

18 $\frac{3}{10}$

2. Write the missing numbers on these number lines.



3. Write the decimal numbers that are missing from each number line.



Write the correct sign (<, = or >) in the \bigcirc .

4. (a) $\frac{1}{10} \bigcirc 0.1$ (b) $\frac{3}{10} \bigcirc 0.2$ (c) $\frac{5}{10} \bigcirc 0.6$ (d) $\frac{9}{10} \bigcirc 0.9$
5. (a) $0.3 \bigcirc \frac{6}{10}$ (b) $0.7 \bigcirc \frac{8}{10}$ (c) $0.2 \bigcirc \frac{4}{10}$ (d) $\frac{10}{10} \bigcirc 1.0$
6. (a) $1\frac{1}{10} \bigcirc 1.2$ (b) $1\frac{9}{10} \bigcirc 1.6$ (c) $1\frac{5}{10} \bigcirc 1.5$ (d) $1\frac{7}{10} \bigcirc 1.9$
7. (a) $1.6 \bigcirc \frac{16}{10}$ (b) $1.3 \bigcirc \frac{13}{10}$ (c) $1.6 \bigcirc \frac{13}{10}$ (d) $1.8 \bigcirc \frac{16}{10}$

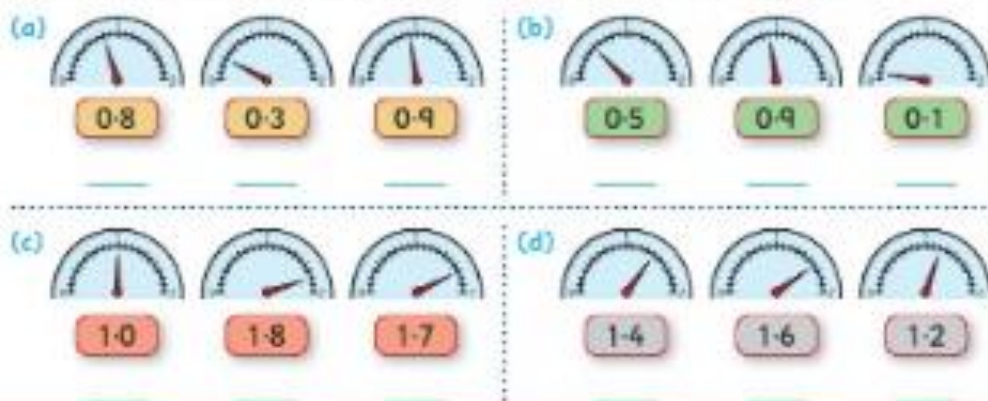
Decimals all around us

1. What decimal fraction of each straw is coloured? Order the coloured lengths from **shortest** to **longest** using the letters.



Order: (c)

2. Order the distances on these odometers starting with the **longest**.



3. Order the temperatures on these thermometers starting with the **lowest**.



4. True ☒ or false ☒ ?

- (a) 100 is 5 times bigger than 10. ☐
 (b) A decimal number has a decimal point. ☐
 (c) A decimal point separates the fractions from the whole number. ☐
 (d) The decimal point separates the tens from the hundreds. ☐
 (e) $\frac{1}{10}$ can also be called 0.1. ☐ (f) 0.9 is the same as 9. ☐
 (g) Zero point five is the same as five tenths. ☐ (h) $\frac{10}{10}$ is the same as 10. ☐

Cannon balls

There is a **pyramid of cannon balls** on a pirate ship. The first layer looks like this when you look down on it from above.



How many cannon balls are there in the **bottom layer**?

How many cannon balls will there be in the **second layer**?

How many cannon balls will there be in the **third layer**?

How many cannon balls in the **top layer**?

How many cannon balls do you need to complete the pyramid?

LEVEL 2

<http://nzmaths.co.nz/problem-solving>

Take two

Play the strategy game “take two”.

Place five counters in a row. With a partner take turns, removing one or two counters each turn. The person to remove the last counter is the winner.

Can you find a **game strategy** so that the first player always win?

Is this a fair game? (In a fair game, each player has an equal chance of winning.)



LEVEL 3

ACTIVITIES

How Chocolate is Made

D Vocabulary Work: True or False

Write true or false after each statement (in your copybook).

1. Cocoa trees need a warm climate to grow. _____
2. After six months the cocoa beans are ready to be harvested. _____
3. Harvesting happens three times a year. _____
4. Small insects carry the cocoa seeds from flower to flower. _____
5. The beans are put on cargo ships to ferment. _____
6. The fermented beans are dried in the sun. _____
7. Pure cocoa is known as winnow. _____
8. The chocolate maker roasts the beans in big ovens. _____
9. The nibs are ground to make chocolate liquor. _____
10. The crumb is rolled many times by a mixer. _____

E Grammar: Conjunctions

A **conjunction** joins short sentences together to make one longer sentence, e.g. James got a chocolate cake **because** it was his birthday. The following are conjunctions: **but, so, because, although, until, or, after, before, and, with, yet.**

Write these sentences in your copybook. Underline the conjunction in each.

1. After six months of growing, the cocoa pods are ripe and ready to be harvested.
2. It is rolled many times until it is smooth.
3. The chocolate is left to set before it is put in packages.
4. Charlie visited Mr Wonka's factory because he won the golden ticket.
5. 'You can have an Aero bar or you can have a Crunchie,' she said.
6. The chocolate is put in the grinder so that chocolate liquor is formed.
7. I wanted a chocolate bar but my brother wanted crisps.
8. James had to wait until his birthday for his present.
9. Mary got 9 out of 10 in her test although she had not studied.
10. The chocolate is poured into moulds and left to set.

F Extension Ideas

Use the library or internet to answer the following questions:

(a) Write four facts about the history of chocolate. (b) Name four different types of chocolate. (c) Name four different brands of chocolate.

G Writing Genre: Explanation Writing – See Portfolio Page 97

Write an explanation for: *How Honey is Made.*



To begin,	First,	To start,	To commence,
Then,	Next,	When	After that,
Continue	Finally,	Lastly,	To conclude,
To finish,	Following this,	Now,	The next step

Title _____

Preparation time: _____

Cooking time: _____

List the ingredients needed:

List the equipment needed:

Now, write the step-by-step procedure.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Self Reflection

I was good at: _____

I need to do more work on: _____ Date: _____



Báinín sa Pháirc

Bhí éinín ag eitilt.
Bhí Báinín ag ithe.
Rith Fionn freisin.
Léim Báinín amach.

Bhí Mamó agus Fionn sa pháirc.
Rith Mamó ar nós na gaoithe.
Bhí éinín ag snámh freisin.
Thosaigh Báinín ag rith.

Thit an t-uachtar reoite.
Bhí Báinín sa chiseán.
Bhí Báinín sa chrann.
Chonaic Báinín éiníní.



1. _____



2. _____



3. _____



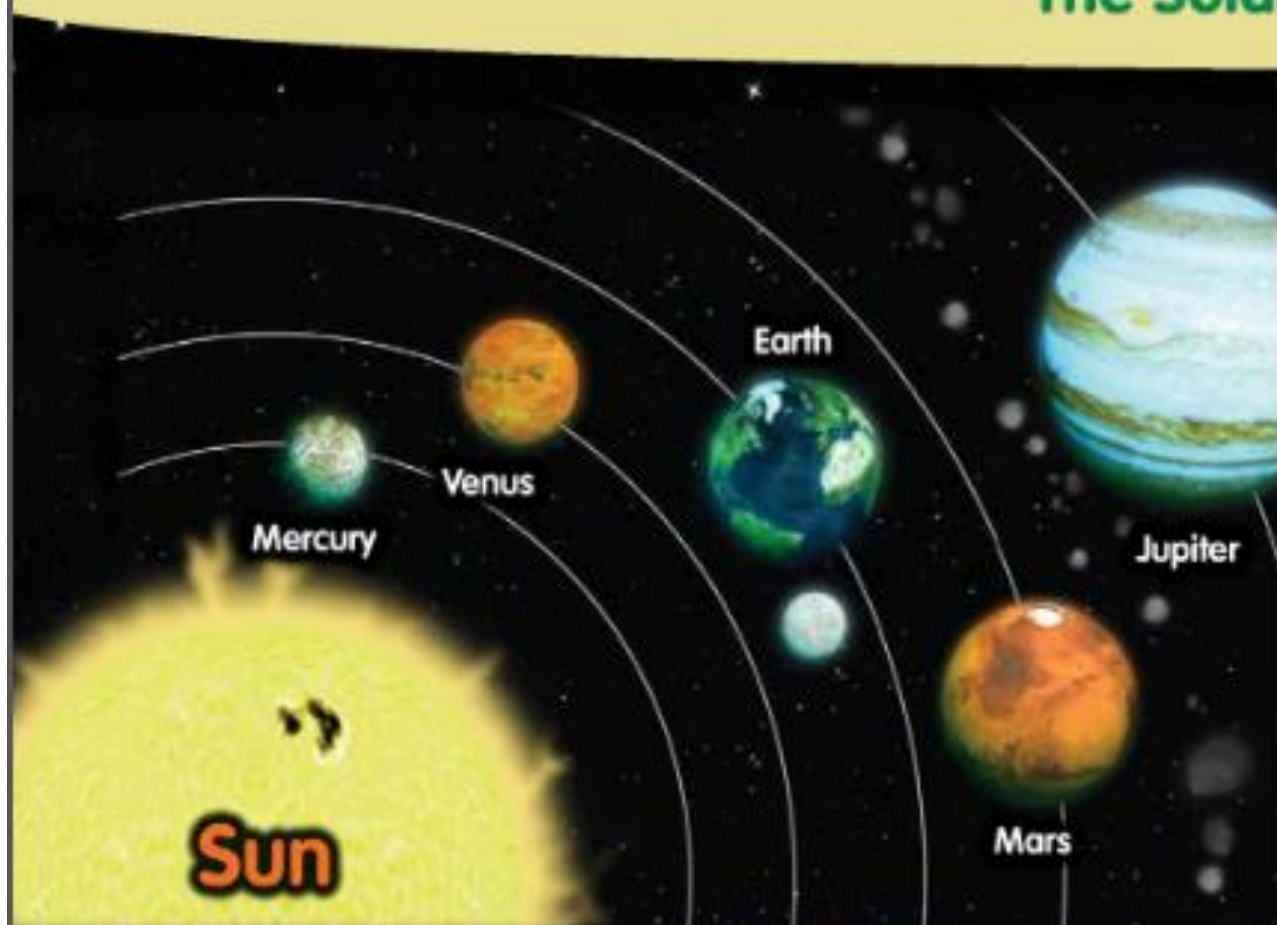
4. _____

18 An Samhradh





The Solar System



Mercury is the smallest planet in our solar system and it is closest to the sun. It is an airless, rocky planet. It is very hot on the side facing the sun and freezing cold on the other side. Its surface is covered in craters.

Our planet, Earth, has exactly the right conditions for life as we know it to survive. It is just close enough to the sun to get light and heat. There is oxygen in the atmosphere and a solid surface to stand on. It is the only planet in our solar system with liquid water.

Jupiter is the largest planet in the solar system. It is a giant gas ball with no solid surface. It is extremely cold, with no suitable atmosphere to breathe. Jupiter has a giant storm spot, where hurricanes rage and never seem to end.

Venus is the brightest planet in the sky at night. It is a little smaller than Earth and like Earth, it has a solid surface, continents and mountains. It is the hottest planet and because of toxic gases in its atmosphere, no life could survive there. It is sometimes called the Morning or Evening Star, as we can see it from Earth. A day on Venus lasts for 262 Earth years!

Mars is smaller than Earth. It is known as the 'Red Planet' because of its dusty, red surface. Mars may once have had rivers, lakes and oceans. The atmosphere is thin with traces of oxygen. Mars has two moons.

r System



Uranus is several times larger than Earth. It is a giant gas ball that spins on its side. It is also known as an ice giant, as it is so cold. It has 27 moons and 11 invisible rings. Scientists think that there could be a huge ocean and diamonds on the surface of Uranus!

Saturn is the second largest planet in our solar system. It is also a giant gas ball. It has 62 moons and it takes 29½ years to go around the sun. Saturn has rings of ice, dust and rock. There are huge hurricane storms on Saturn. Saturn is so light that it would float on water!

Pluto is called a dwarf planet, or planetoid. It is smaller than Earth's moon. It takes 249 years to travel around the sun. It is a very cold, dark place. Pluto was named after the Roman god of the Underworld by an 11-year-old English girl! (The Roman god Pluto is also known as Hades.)

Neptune is the third largest planet in our solar system. It gets its name from the Roman god of the sea, because the gases in its atmosphere give it a beautiful blue colour. It is also a gas and ice giant. It has a great dark spot caused by a giant storm. It is a very windy planet!