

MATHEMATICS

Year 2/Primary 3

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PARENT PACK

MONDAY

1.

		
		
start		

Go up 2 squares. Go right 1 square. Go down 2 squares. What shape are you on?

2. It is half past 3.

What will the time be in half an hour?



3. $7 + 0 =$

4. $20 - 5 =$

5. Draw a circle around half of the shapes.



6. 8, 10, , 14, 16

7. 19 is less than 20 by how many?

8. 1, 3, 5, , 9, 11

9. $10 + 10 + 10 =$

10. Write the numeral eighty-two.

TUESDAY

1. It is half past 6.

What time will it be in half an hour?



2.

		
		
start		

Go right 2 squares. Go up 1 square. Go left 1 square. What shape are you on?

3. $7 + 4 =$

4. $20 - 15 =$

5. 17 is less than 10.

True or false?

6. Draw a circle around half of the shapes.

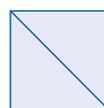


7. 11, 13, 15, 17, , 21

8. 10, 12, 14, , 18, 20

9. 14 is more than 10 by how many?

10. How many triangles can you find?



WEDNESDAY

1.

		
		
start		

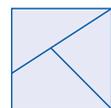
Go up 1 square. Go right 2 squares. Go up 1 square. What shape are you on?

2. What year was last year?

3. 17 is more than 10. True or false?

4. $4 + 8 =$

5. How many triangles can you find?



6. Draw a circle around half of the shapes.



7. 16 is less than 20 by how many?

8. 17 is more than 10 by how many?

9. 20, 22, , 26, 28, 30

10. It is half past 10.

What will the time be in half an hour?



THURSDAY

1. 11 is more than 10 by how many?

2. $5 + 6 =$

3. It is half past 9. What will the time be in half an hour?



4. 10, 20, 30, , 50

5. 2 is more than 20. True or false?

6.

start		

Go right 1 square. Go up 2 squares. Go left 1 square. What shape are you on?

7. $20 - 6 =$

8. Is a tissue lighter than a pencil?

Yes No

9. Is the glove underneath the sock?



10. $31 + 10 = 41$, so $41 + 10 =$

FRIDAY

1. Is the sock on top of the glove?



2. Is your pencil case heavier or lighter than this book?

Heavier

Lighter

3. $6 + 9 =$

4. 21, 23, , 27, 29

5. 11 is less than 20 by how many?

6. $20 - 7 =$

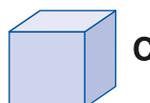
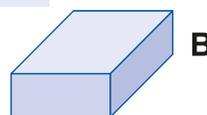
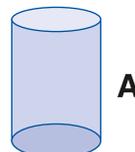
7. It is half past 4. What time will it be in half an hour?



8. 12 is less than 15. True or false?

9. $75 + 10 = 85$, so $85 + 10 =$

10. Which shape can roll?



ASSESSMENT

How did you do?

On Monday I scored

out of 10



On Tuesday I scored

out of 10



On Wednesday I scored

out of 10



On Thursday I scored

out of 10



On Friday I scored

out of 10



My teacher says

MONDAY



There are more squares than triangles.
True or false?

2. $(2 + 3) + 5 =$

3. $2 + (3 + 5) =$

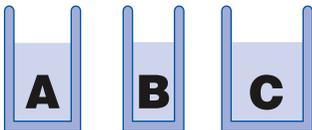


5. Circle the heaviest item.



6. 5, 10, 15, 20, , 30

7. Circle which jar has the least volume of water.



8. $5 + 9 =$

9. $9 - 5 =$

10. $\begin{array}{r} 87 \\ -52 \\ \hline \end{array}$

TUESDAY

1. Half past



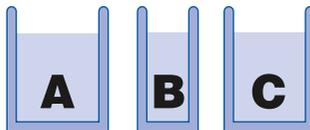
2. I have 10 sweets. Sam has 6 sweets. How many more have I?

3. $(3 + 4) + 2 =$

4. $3 + (4 + 2) =$

5. $9 - 1 =$

6. Circle which jar has the greatest volume of water.



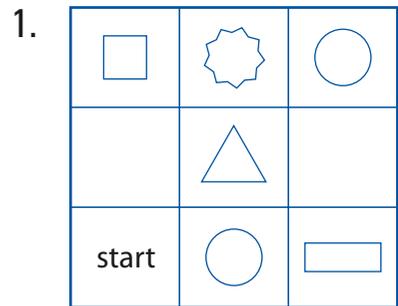
7. $2 + 9 =$

8. 20, 22, 24, , 28, 30

9. 20 is more than 12.
True or false?

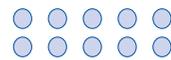
10. 1, 3, 5, 7, 9, , 13, 15

WEDNESDAY



Go up 1 square. Go right 1 square. Go down 1 square. What shape are you on?

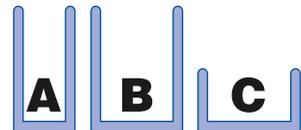
2. Draw a circle around half of the shapes.



3. 10, 20, 30, 40, , 60

4. $8 - 3 =$

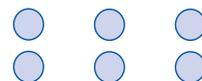
5. Circle which jar could hold the most water.



6. $6 + 6 =$

7. 5, 10, , 20, 25, 30

8. Draw a circle around half of the shapes.



9. Susan has 8 fish. James has 6 fish. How many more fish has Susan?

10. $12 +$ $= 12$

THURSDAY

1. $7 + 6 =$

2. $4 + 2 + 3 =$

3. $7 - 0 =$

4. Half past



5. $15 + 5 =$



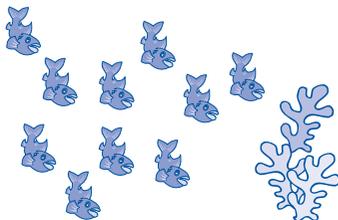
There are more squares than circles.
True or false?

7. $5 + 5 + 5 + 5 =$

8. $7 +$ $= 12$

9. $18 -$ $= 9$

10. Circle the fish that will reach the seaweed 10th.



FRIDAY

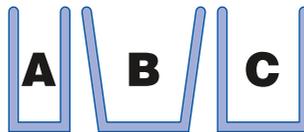
1. Draw a circle around half of the shapes.



2. Circle the heaviest item.



3. Circle which jar would hold more water in it.



4. $8 + 10 =$

5. Half past



6. $8 - 2 =$

7.

There are more triangles than circles.
True or false?

8. $(1 + 5) + 4 =$

9. $1 + (5 + 4) =$

10. 20 is less than 12.
True or false?

ASSESSMENT

How did you do?

Monday out of 10

Tuesday out of 10

Wednesday out of 10

Thursday out of 10

Friday out of 10

Plot your scores on the graph.

10					
9					
8					
7					
6					
5					
4					
3					
2					
1					
▲ 0	Monday	Tuesday	Wednesday	Thursday	Friday

Day of the week

My teacher says

NEW WAVE MENTAL MATHS Year 2/Primary 3 Book – Answers

WEEK 31 pages 62 – 63	WEEK 32 pages 64 – 65	WEEK 33 pages 66 – 67	WEEK 34 pages 68 – 69	WEEK 35 pages 70 – 71
<p>Monday</p> <ol style="list-style-type: none"> 6 14 9 9 o'clock Teacher check $5 + 5 = 10$ 39 10p 6 3 <p>Tuesday</p> <ol style="list-style-type: none"> 3 o'clock 10 13 Teacher check 90 12 true 6 rectangles 5 9 <p>Wednesday</p> <ol style="list-style-type: none"> Teacher check Wednesday 73 9 12 false 5p 8 6 6 o'clock <p>Thursday</p> <ol style="list-style-type: none"> 7 99 12 o'clock 3 3 13 11 true 5 $4 + 6 = 10$ <p>Friday</p> <ol style="list-style-type: none"> bricks 5 true 8 o'clock 3 13 53 5p 2 8 	<p>Monday</p> <ol style="list-style-type: none"> circle 4 o'clock 7 15 3 ovals 12 1 7 30 82 <p>Tuesday</p> <ol style="list-style-type: none"> 7 o'clock triangle 11 5 false 4 ovals 19 16 4 2 <p>Wednesday</p> <ol style="list-style-type: none"> semicircle Teacher check true 12 2 5 circles 4 7 24 11 o'clock <p>Thursday</p> <ol style="list-style-type: none"> true 11 10 o'clock 40 false square 14 yes no 51 <p>Friday</p> <ol style="list-style-type: none"> yes Teacher check 15 25 9 13 5 o'clock true 95 A 	<p>Monday</p> <ol style="list-style-type: none"> false 10 10 8 o'clock car 25 B 14 4 35 <p>Tuesday</p> <ol style="list-style-type: none"> 10 4 9 9 8 A 11 26 true 11 <p>Wednesday</p> <ol style="list-style-type: none"> circle 5 circles 50 5 B 12 15 3 circles 2 0 <p>Thursday</p> <ol style="list-style-type: none"> 13 9 7 2 20 false 20 5 9 Teacher check <p>Friday</p> <ol style="list-style-type: none"> 6 circles truck B 18 12 6 true 10 10 false 	<p>Monday</p> <ol style="list-style-type: none"> go to bed Saturday 4, 8, 12 3, 6, 9, 12 12 flower even odd 25 6 <p>Tuesday</p> <ol style="list-style-type: none"> 2 eat lunch April 15, 19, 24, 30 18p pencil 49 4 2 false <p>Wednesday</p> <ol style="list-style-type: none"> 63 eat breakfast 7 odd 9 13 cat August 89 10 <p>Thursday</p> <ol style="list-style-type: none"> 35, 40, 70, 80 5 4 3 71 $1 + 4, 2 + 3$ 9 October 12 12 <p>Friday</p> <ol style="list-style-type: none"> 10 triangle 1 Monday Friday Tuesday 30p 15 15 Teacher check 	<p>Monday</p> <ol style="list-style-type: none"> go to school 3 4 o'clock 10 40 false 80 99 bus 5 <p>Tuesday</p> <ol style="list-style-type: none"> 6:30 eat dinner 11 odd 50 15 15 98 $1 + 5, 3 + 3$ 3 <p>Wednesday</p> <ol style="list-style-type: none"> 60 26 true apples 5 18 $2 + 6, 4 + 4$ 16 10:30 3 <p>Thursday</p> <ol style="list-style-type: none"> 70 20 20 12 4:30 18 1, 5 4, 8 $3 + 7, 6 + 4$ 6 <p>Friday</p> <ol style="list-style-type: none"> 16 80 true 15 15 8 o'clock 7, 9 10, 12 no 5

One more, one less

Each of the numbers below has two partners. One is the number that comes before it and one is the number that comes after it.

Can you find their before and after partners?

24

39

50

71

28

77

93



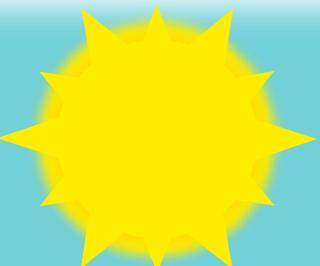
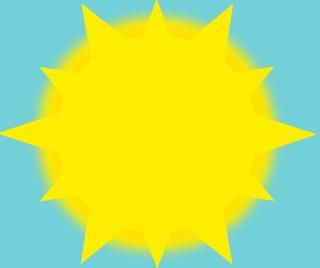
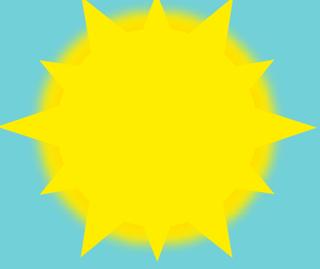
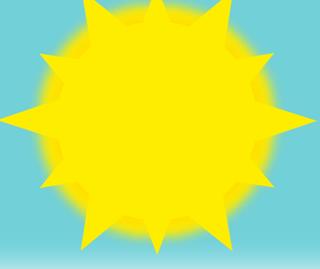
Numbers before	Numbers after
38	25
70	94
92	72
76	40
27	29
23	51
49	78

Number before		Number after
	24	
	39	
	50	
	71	
	28	
	77	
	93	

Content description: Develop confidence with number sequences to and from 100 by ones from any starting point. Skip count by twos, fives and tens starting from zero (ACMNA012) AC

Sun smart

1 Write a two-digit number in each of the suns below. Work out what comes before and after your number.

<input type="text"/>		<input type="text"/>
<input type="text"/>		<input type="text"/>
<input type="text"/>		<input type="text"/>
<input type="text"/>		<input type="text"/>



2 Can you work out what comes before and after these numbers?

<input type="text"/>	56	<input type="text"/>		<input type="text"/>	30	<input type="text"/>
<input type="text"/>	17	<input type="text"/>		<input type="text"/>	22	<input type="text"/>
<input type="text"/>	82	<input type="text"/>		<input type="text"/>	95	<input type="text"/>
<input type="text"/>	45	<input type="text"/>		<input type="text"/>	68	<input type="text"/>

Content description: Develop confidence with number sequences to and from 100 by ones from any starting point. Skip count by twos, fives and tens starting from zero (ACMNA012)

Missing numbers

1 Fill in the missing numbers. Check your answers by counting forward from 1 to 110.

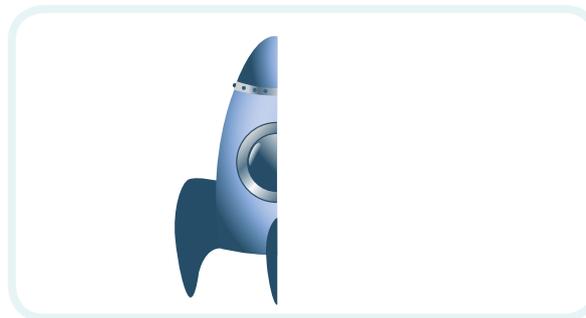
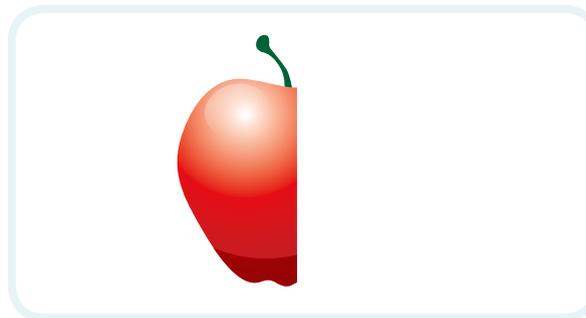
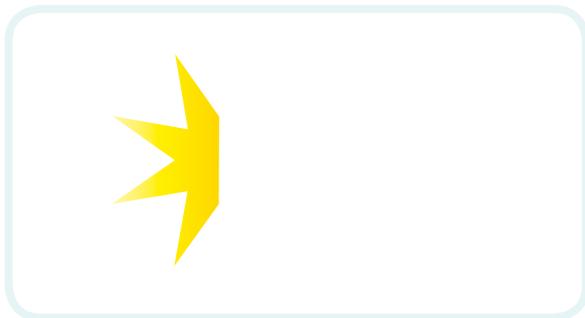
1									10
		13	14						20
21				25			28	29	
	32				36				40
		43	44					49	
	52			55			58		
			64	65			68		70
	72				76	77			
81	82	83							90
			94	95				99	
		103				107			110

2 Challenge yourself by counting backwards from 110 to 0. Can you do this with your eyes closed?



Make me whole

1 Draw the other half of the pictures below.



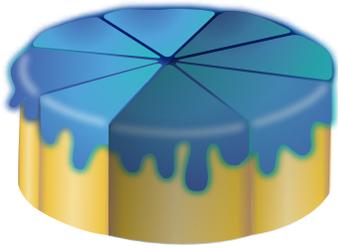
2 Draw the other half of the collections below. The first one is done for you.

Content description: Recognise and describe one-half as one of two equal parts of a whole (ACMNA016)

How many would make a half?

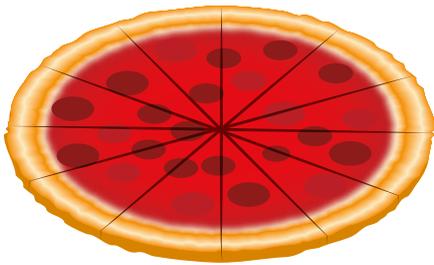
A half is one of two equal parts.

If I were to eat a half of the cake below, I would eat 4 slices! That is a lot of cake!



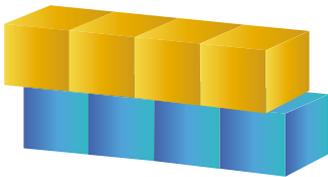
Half of this cake is 4 slices.

1 How many pieces of pizza would you eat if you ate half the pizza below?



I would eat pieces.

2 How many blocks would you have if you had half of the blocks below?



I would have blocks.

3 How many books would you have read if you read half of the books below?

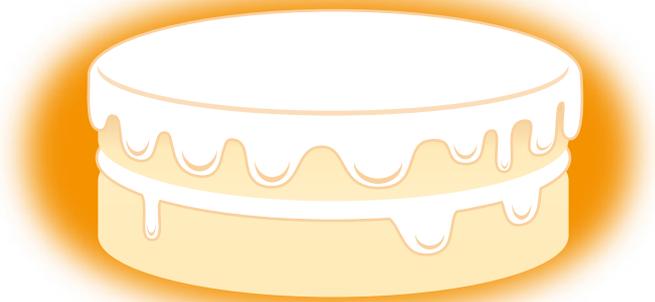


I would have read books.

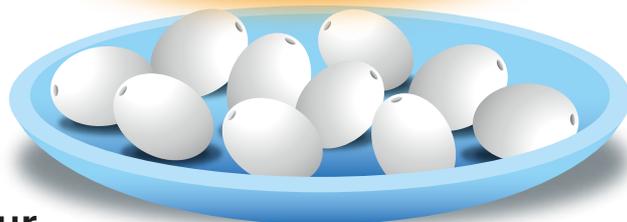
Birthday halves

I am turning $6\frac{1}{2}$ and want to celebrate with a halves party. Help get the party ready.

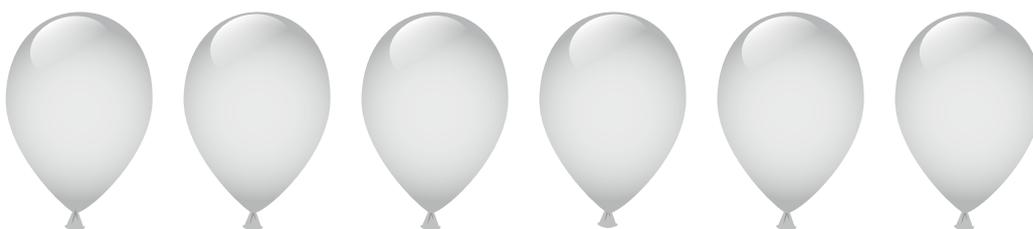
1. Make half the cake chocolate and give the other half sprinkles.



2. Colour half the grapes red and the other half green.



3. Make half the balloons one colour and the other half a different colour.



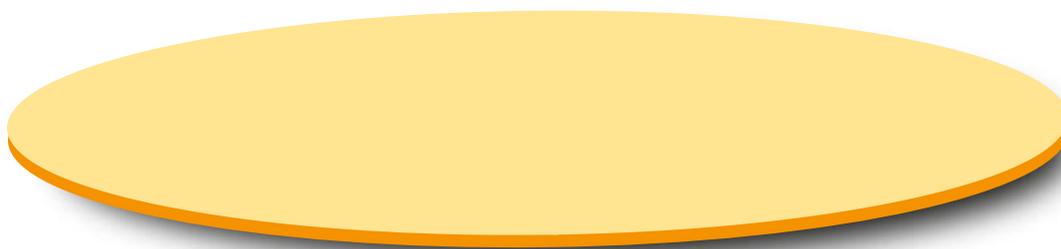
4. Create a pizza that is $\frac{1}{2}$ mushroom and $\frac{1}{2}$ plain.



5. Cut the candle in half.



6. Fill half the platter with strawberries and the other half with blueberries.



Content description: Recognise and describe one-half as one of two equal parts of a whole (ACMNA016)

Pattern practice

1 Continue the skip counting pattern for 3 more numbers. They get harder and harder as you go along.

(a) 2, 4, 6, 8, 10, , ,

(b) 5, 10, 15, 20, 25, , ,

(c) 10, 20, 30, 40, 50, 60, , ,

(d) 1, 6, 11, 16, 21, 26, , ,

(e) 53, 55, 57, 59, 61, , ,

(f) 140, 130, 120, 110, 100, , ,

(g) 100, 98, 96, 94, 92, , ,

These ones are super tricky!

(h) 3, 6, 9, 12, , ,

(i) 4, 8, 12, 16, , ,

(j) 6, 12, 18, , ,



Ten more, please

1. What pattern do you notice when you add 10 to a number? Look at the examples below.



Number	Add 10	Makes
5	+10	15
21	+10	31
33	+10	43
26	+10	36
45	+10	55

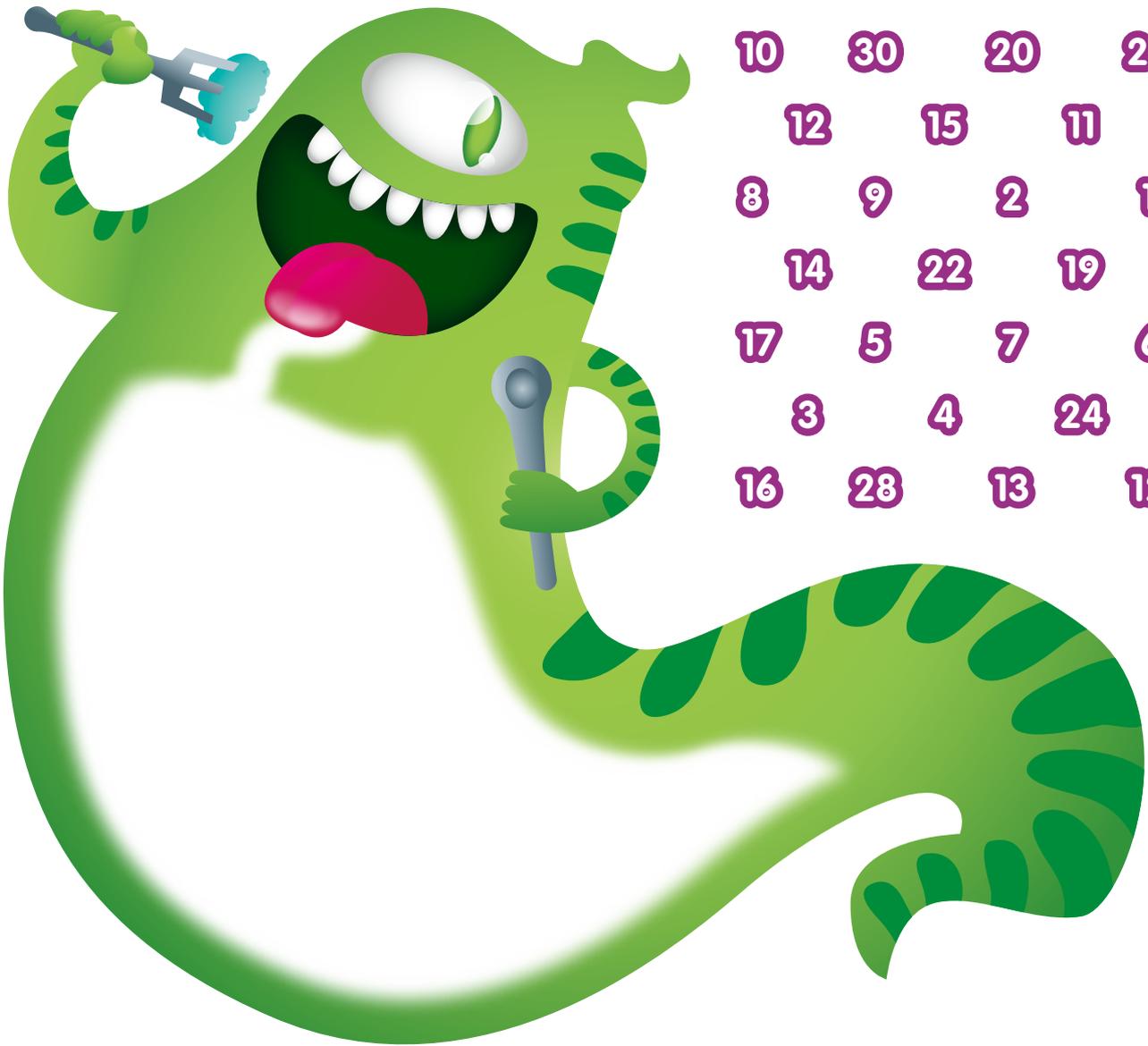
2. Can you make a counting in 10s pattern? The first one is done for you.

14	24	34	44	54	64
20					
6					
12					

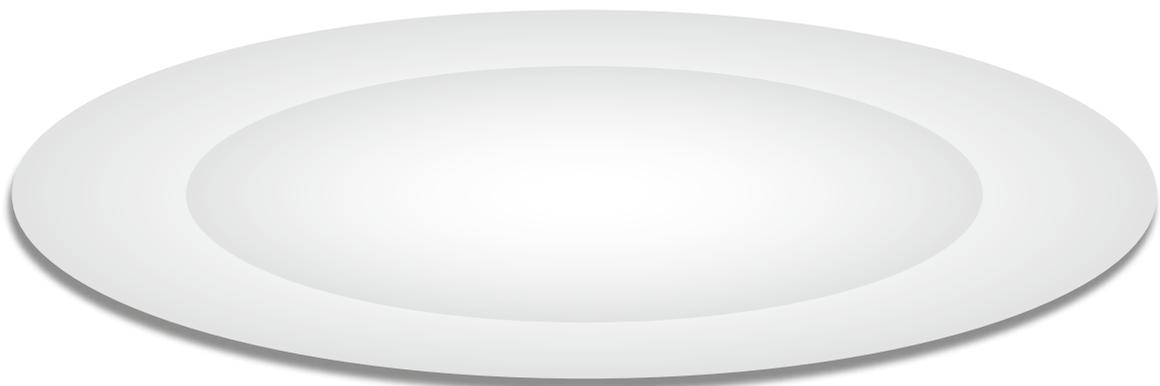
Content description: Investigate and describe number patterns formed by skip counting and patterns with objects (ACMNA018)

An odd monster

- 1 The monster below only likes to eat even numbers. Work out which of the numbers below are even. Write these even numbers in the monster's stomach.



- 2 Can you think of any other even numbers the monster might like to eat? Write them on the plate below.



ROUNDING

NUMBER

TEACHER INFORMATION

Objective

Rounds one- and two-digit numbers to the nearest 10.

Concepts required

Numbers ending in five are rounded up

Answers

1. (a) 20
(b) 10
(c) 20
(d) 30
(e) 50
2. (a) 30 (b) 10 (c) 60
(d) 20 (e) 90 (f) 50
3. (a) 10 (b) 10 (c) 20
(d) 30 (e) 40 (f) 40
(g) 70 (h) 70 (i) 80
4. 21, 15, 18, 23, 17, 22, 19, 24
5. 45, 48, 51, 54, 49, 52, 53

ROUNDING

NUMBER

1. Round the number to the nearest 10.

- (a) Is 21 nearer to 20 or 30? _____
- (b) Is 8 nearer to 0 or 10? _____
- (c) Is 19 nearer to 10 or 20? _____
- (d) Is 34 nearer to 30 or 40? _____
- (e) Is 52 nearer to 50 or 60? _____



2. When a number ends in 5, round up to the nearest 10.

- (a) 25 rounds up to (b) 5 rounds up to
- (c) 55 rounds up to (d) 15 rounds up to
- (e) 85 rounds up to (f) 45 rounds up to

3. Round the numbers to the nearest 10.

- (a) 7 (b) 13 (c) 22
- (d) 31 (e) 38 (f) 44
- (g) 69 (h) 65 (i) 75

4. Circle the numbers that will round to 20.

21 14 15 18 23 29 17 22 19 24

5. Circle the numbers that will round to 50.

45 55 48 51 54 42 49 52 57 53

PUPIL NAME

SUBTRACTION PROBLEMS

NUMBER

TEACHER INFORMATION

Objective

Solves subtraction number and word problems.

Concepts required

Place value

Vertical subtraction

Writing number sentences

Reading and solving word problems

Answers

1. (a) 4
(b) 5
(c) 4
(d) 2
2. (a) $9 - 2 = 7$
(b) $12 - 7 = 5$
(c) $15 - 9 = 6$
(d) $20 - 10 = 10$
(e) $16 - 7 = 9$
(f) $20 - 15 = 5$

SUBTRACTION PROBLEMS

NUMBER

1. Solve the subtraction problems.

$$\begin{array}{r} 13 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 12 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ - 17 \\ \hline \end{array}$$

2. Write the number sentence and solve the problem.

- (a) There were nine muffins. James ate two.

How many were left?

$$\square - \square = \square$$

- (b) Tess is twelve years old and Lela is seven.

How much older is Tess?

$$\square - \square = \square$$

- (c) There were fifteen children. Nine were girls.

How many were boys?

$$\square - \square = \square$$

- (d) Alice read ten pages. If there are twenty pages in the book, how many more pages are left to read?

$$\square - \square = \square$$

- (e) Ben had sixteen toys and gave seven to Noah.

How many did he have left?

$$\square - \square = \square$$

- (f) Amber made twenty cards. She gave away fifteen.

How many did she have left?

$$\square - \square = \square$$

PUPIL NAME

TEACHER INFORMATION

Objective

Draws a path and uses a grid for location.

Concepts required

Simple paths

Locational language – next to, below, above, top, bottom, right, left, under, between

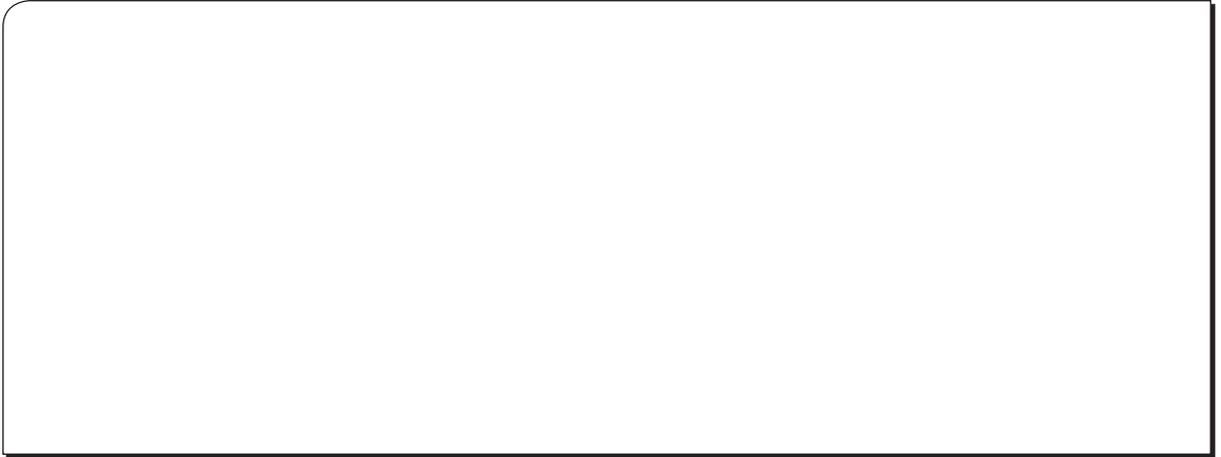
Answers

1. Answers will vary
2. (a) crab
(b) whale
(c) seahorse
(d) fish
(e) top left-hand
(f) Teacher check location
(g) Teacher check location
(h) Teacher check location

PATHS AND GRIDS

SHAPE

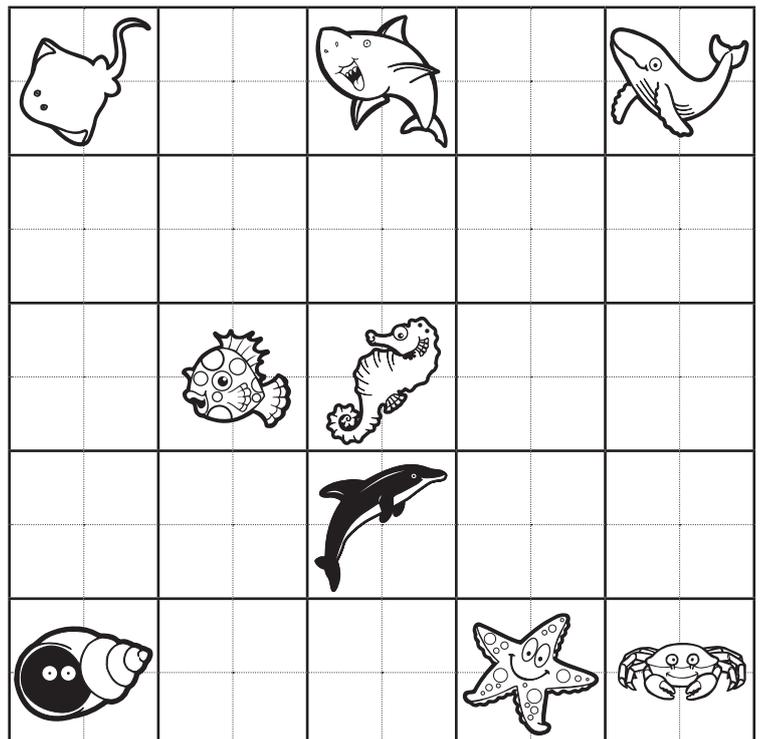
1. Draw a simple layout of your house. Show how you would walk from the sink in the kitchen to the door of your bedroom. Label the start and finish.



2. Use the grid to answer the questions.

- (a) The starfish is next to the _____.
- (b) The _____ is in the top right hand corner.
- (c) The dolphin is below the _____.
- (d) The seahorse is to the right of the _____.
- (e) The stingray is in the _____ corner.

- (f) Draw another fish in the square above the shell.
- (g) Draw some seaweed in the square under the dolphin.
- (h) Draw a seagull in the space between the stingray and shark.



PUPIL NAME