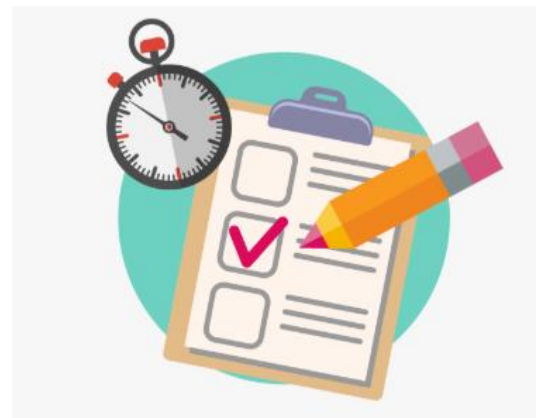




Information to support this week's learning

This week we will be working on a range of different maths skills that we have covered over the last few weeks. Most pieces of work will be mini assessments. Try and complete each one independently, then go through your answers with an adult, working on further examples of the questions you got incorrect.

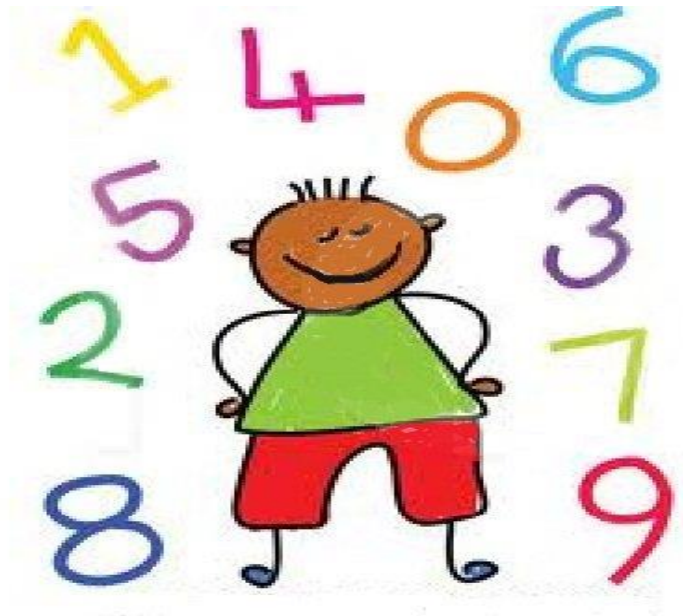
Read
me



Home learning...



Remember to post pictures of your work in the Class dojo Forum to receive Dojo point!



Plus, don't forget the daily challenge

Lesson 1:

Children should be given 30 minutes to complete the arithmetic test.

Year 2 Arithmetic Test 2

testbase

1	$21 + 4 =$	<input type="text"/>	<input type="text"/> 1 mark
2	$6 + 3 + 3 =$	<input type="text"/>	<input type="text"/> 1 mark
3	$60 + 20 =$	<input type="text"/>	<input type="text"/> 1 mark
4	$13 - 7 =$	<input type="text"/>	<input type="text"/> 1 mark
5	$2 + 9 =$	<input type="text"/>	<input type="text"/> 1 mark
6	$4 \times 2 =$	<input type="text"/>	<input type="text"/> 1 mark
7	$86 - 30 =$	<input type="text"/>	<input type="text"/> 1 mark

8	$\frac{1}{2}$ of 6 =	<input type="text"/>	<input type="text"/> 1 mark
9	$70 \div 10 =$	<input type="text"/>	<input type="text"/> 1 mark
10	$65 + 29 =$	<input type="text"/>	<input type="text"/> 1 mark
11	$26 - 15 =$	<input type="text"/>	<input type="text"/> 1 mark
12	$8 + 7 + 5 =$	<input type="text"/>	<input type="text"/> 1 mark
13	$7 \times 4 =$	<input type="text"/>	<input type="text"/> 1 mark
14	$60 \div 5 =$	<input type="text"/>	<input type="text"/> 1 mark
15	$\frac{1}{3}$ of 18 =	<input type="text"/>	<input type="text"/> 1 mark

Lesson 2:

Reasoning

1. There are two triangles below.

True or false?



Explain your answer.

2. Look at the calculations below. Can you spot the mistake?

$$\boxed{32\text{cm}} < \boxed{44\text{cm}}$$

$$\boxed{2\text{cm}} > \boxed{2\text{m}}$$

3. Sarah is weighing three bags.



The green bag is heavier than the red bag. The blue bag is lighter than the red bag. Order the bags from heaviest to lightest.

If the red bag weighs 7kg, what could the other bags weigh?

Arithmetic

$$34 + 21 = \boxed{}$$

$$\frac{1}{4} \text{ of } 32 = \boxed{}$$

$$48 - 39 = \boxed{}$$

$$\frac{1}{2} \text{ of } 22 = \boxed{}$$

$$41 + 17 + 8 = \boxed{}$$

$$6 \times \boxed{} = 30$$

$$70 - 13 - 12 = \boxed{}$$

$$\boxed{} \div 4 = 10$$

4. 50 fish live in a lake. One day a family go fishing.

Dad catches 9 fish.

Mum catches 5 fish.

Jack catches 7 fish.

Jenny catches 3 fish.

How many does the family catch altogether?

How many fish are left in the pond?

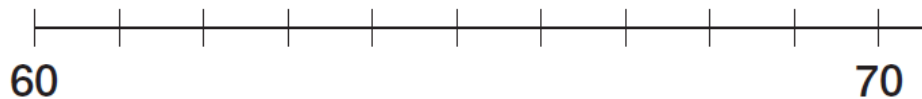


Lesson 3:

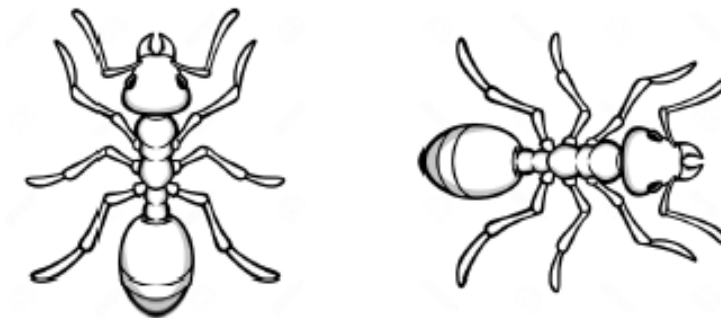
Reasoning paper I

- 1 Write the numbers in the correct place on the number line.

63 68



- 2 This ant is rotated **anti-clockwise**.



Choose the correct word to complete the sentence.

quarter

half

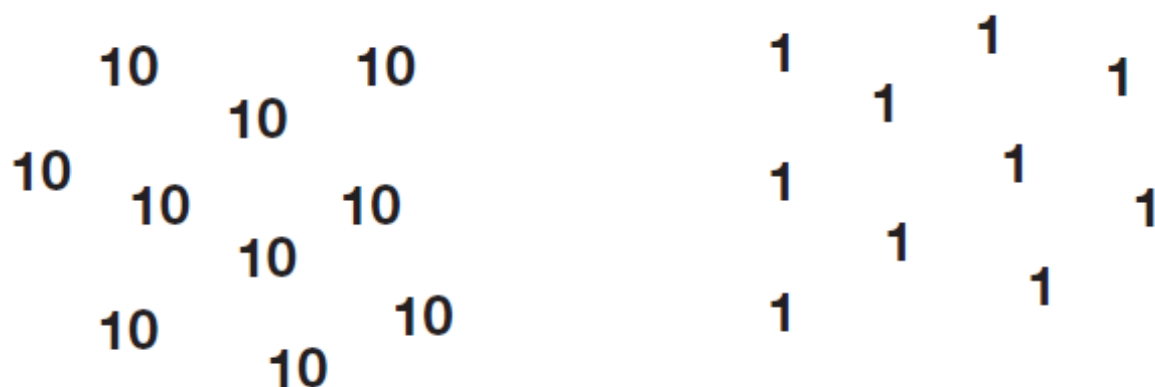
three-quarter

full

The ant has made a _____ turn anti-clockwise.

3

Circle the correct number of tens and ones to make 37



Write the number 37 in words.

4

Sam has four digit cards.



He uses two of the cards to make this number.



Is Sam's number odd or even?

Sam makes another number using the cards.
He says,



It is greater than 46
It is less than 67

What could Sam's number be?

--	--

5

Kim is counting in 2s.

She starts counting at 32

32 ...

Circle the numbers that Kim will say.

45

36

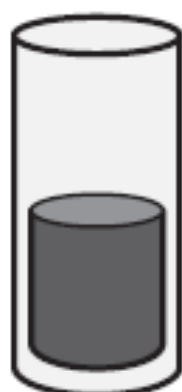
44

Half Full

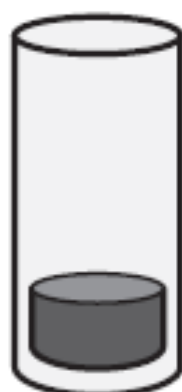
Quarter Full

Full

Empty



A



B



C



D

Tick the statements that are true.

D has less than A

☐

C is the least full

☐

A is $\frac{2}{4}$ full

☐



£43



£20



£7

Sam buys a bag and a hat.

How much does he pay altogether?

£

Kim has £17

She wants to buy the shoes.

How much **more** money does Kim need?

£

8

Here is a number sentence.

$$12 > 6 + \square$$

Circle the number that can complete the sentence.

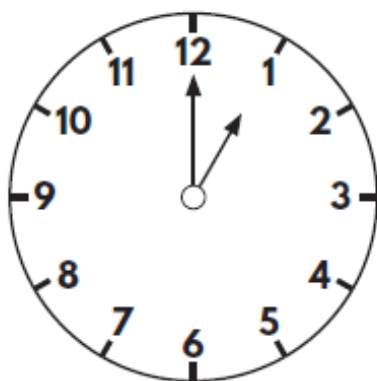
18 6 4 11

9

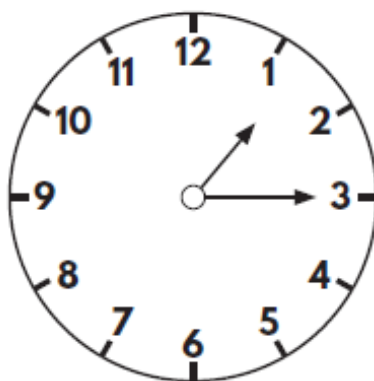
Sam is reading a book.

The clocks show when he started and when he finished.

Start time



Finish time



How many minutes did Sam read his book for?

minutes

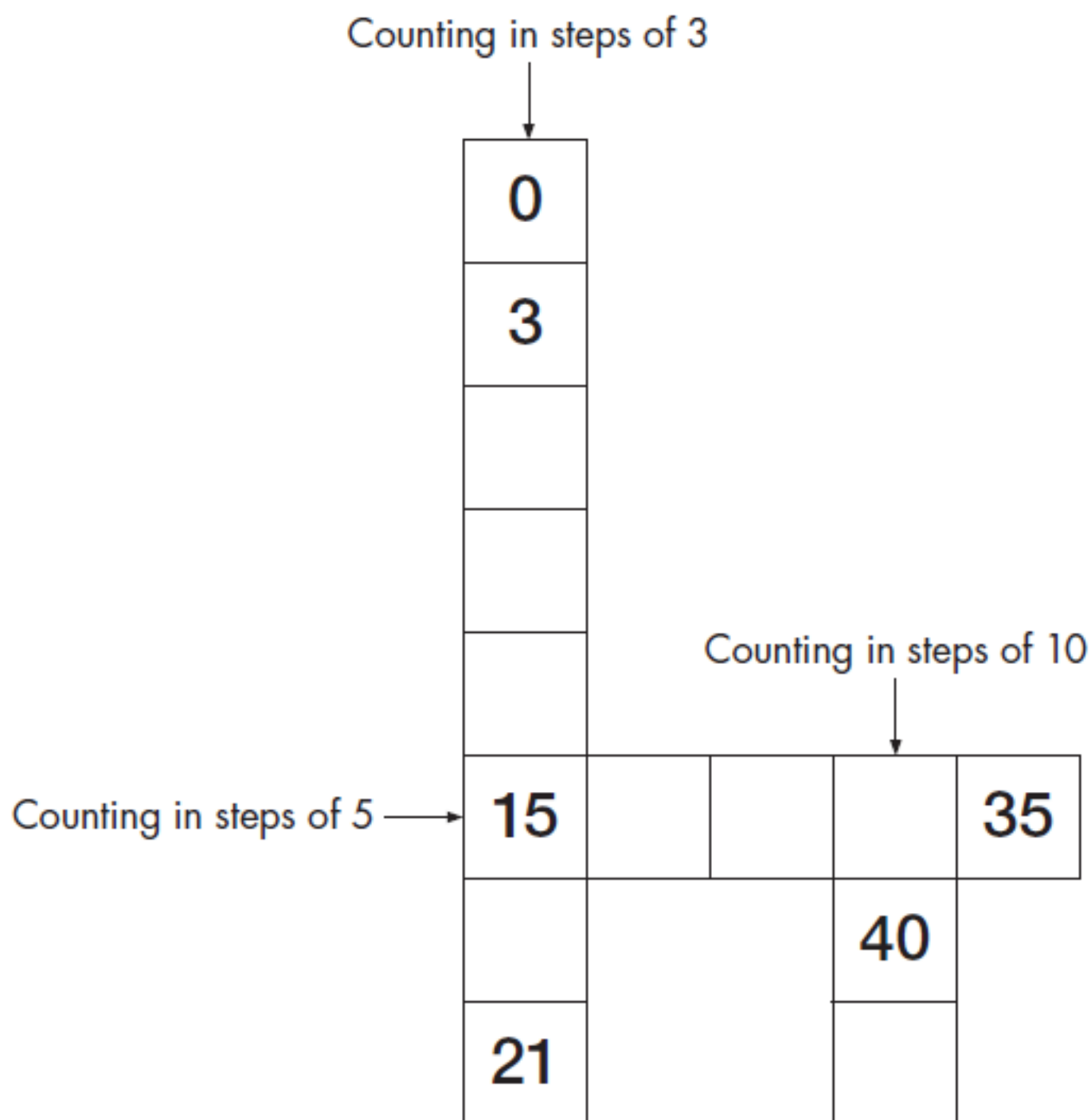
Kim reads her book for 2 hours.

How many minutes does she read for?

minutes

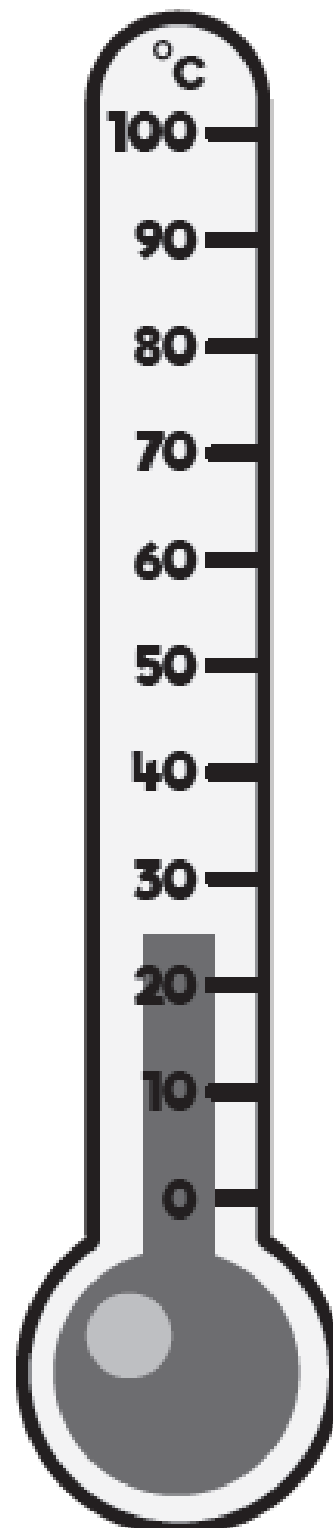
10

Complete the missing numbers.



11

Here is a thermometer.



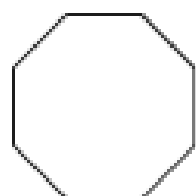
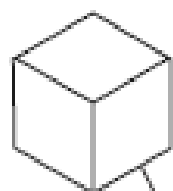
What is the temperature?

°C

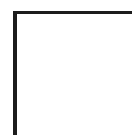
12

Match each shape to the correct label.

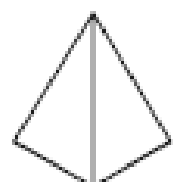
One has been done for you.



2-D shapes



3-D shapes



13

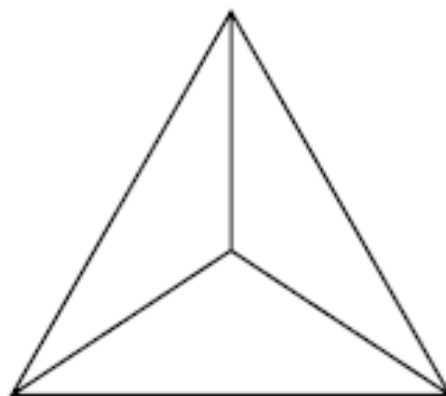
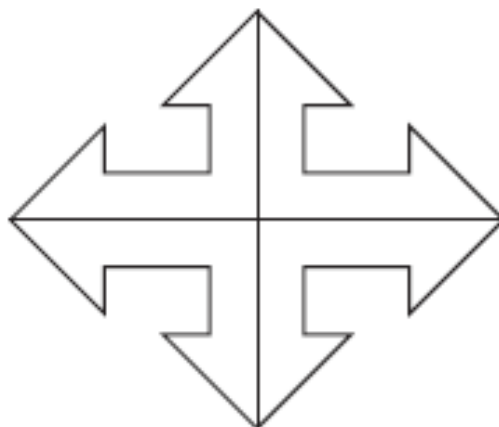
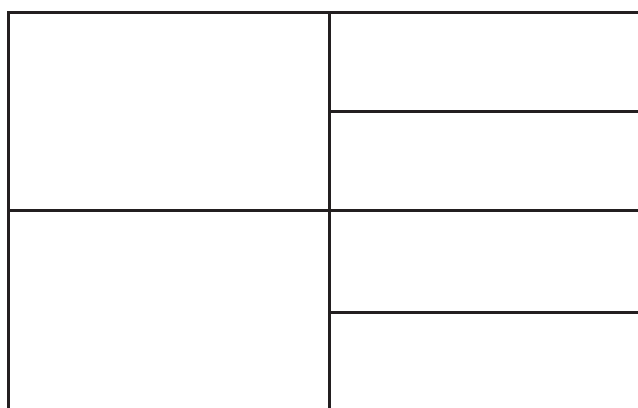
There are 57 sweets in a bag.

Tom puts 18 more sweets in the bag.

Kim takes out 22 sweets.

How many sweets are left in the bag?

sweets

14Shade $\frac{1}{3}$ of the shape.Shade $\frac{1}{2}$ of the shape.Shade $\frac{3}{4}$ of the shape.

Lesson 4:

Number and Place Value

1. Complete the sequence of numbers.

0	3	6	9						
45	40	35	30						
0	10	20	30						
25	30	35	40						
32	34	36	38						

2. Write the value of each underlined digit.

76

25

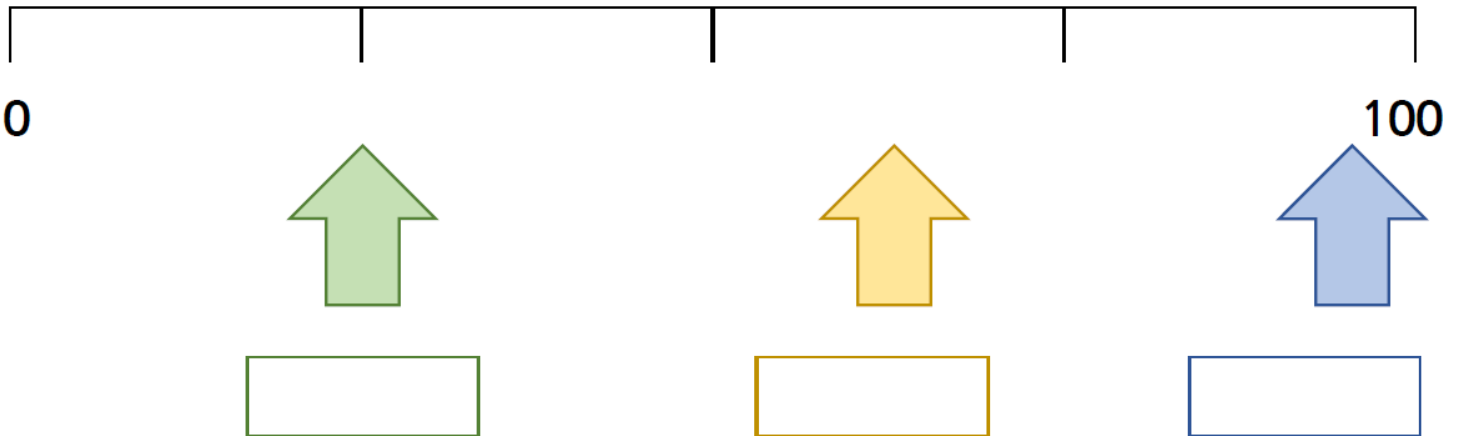
19

35

52

14

3. Estimate the number each arrow is pointing to on the number line.



4. Use the symbols $>$ or $<$ to compare the numbers.

38

36

25

52

87

93

5. Write the following numbers in words.

32

51

68

92

45

100

Addition and Subtraction

6. Solve the problems.

$$67 + 12 = \boxed{}$$

$$41 - 17 = \boxed{}$$

$$68 + 24 = \boxed{}$$

$$72 - 54 = \boxed{}$$

$$34 + 26 = \boxed{}$$

$$98 - 59 = \boxed{}$$

7. Complete the following number bonds mentally.

$$\boxed{} + 12 = 20$$

$$\boxed{} + 5 = 20$$

$$20 - \boxed{} = 4$$

$$20 - \boxed{} = 6$$

$$\boxed{} + 9 = 20$$

$$\boxed{} + 2 = 20$$

$$20 - \boxed{} = 7$$

$$20 - \boxed{} = 3$$

8. Complete each calculation.

$$36 + 6 = \boxed{}$$

$$74 - 8 = \boxed{}$$

$$62 - 9 = \boxed{}$$

$$45 + 7 = \boxed{}$$

$$57 + 8 = \boxed{}$$

$$83 - 6 = \boxed{}$$

9. Complete each calculation.

$$73 + 20 = \boxed{}$$

$$53 - 40 = \boxed{}$$

$$85 - 30 = \boxed{}$$

$$27 + 50 = \boxed{}$$

$$52 + 40 = \boxed{}$$

$$76 - 30 = \boxed{}$$

10. Complete each calculation.

$87 + 12 = \boxed{}$

$76 - 38 = \boxed{}$

$95 - 67 = \boxed{}$

$54 + 24 = \boxed{}$

$69 + 23 = \boxed{}$

$48 - 36 = \boxed{}$

11. Complete the calculations.

$5 + 6 + 2 = \boxed{}$

$9 + 7 + 4 = \boxed{}$

$8 + 2 + 6 = \boxed{}$

$7 + 4 + 2 = \boxed{}$

$7 + 8 + 8 = \boxed{}$

$3 + 9 + 8 = \boxed{}$

12. Write an addition and subtraction sentence for each set of numbers.

$16, 32, 16 \quad \boxed{} + \boxed{} = \boxed{}$

$\boxed{} - \boxed{} = \boxed{}$

$42, 27, 15 \quad \boxed{} + \boxed{} = \boxed{}$

$\boxed{} - \boxed{} = \boxed{}$

$79, 24, 55 \quad \boxed{} + \boxed{} = \boxed{}$

$\boxed{} - \boxed{} = \boxed{}$

13. Solve each missing number problem by using the inverse calculation.

$37 + \boxed{} = 98$

$\boxed{} - \boxed{} = \boxed{}$

$\boxed{} - 16 = 82$

$\boxed{} + \boxed{} = \boxed{}$

$\boxed{} + 43 = 89$

$\boxed{} - \boxed{} = \boxed{}$

Multiplication and Division

14. Write the next five multiples in each row.
Then, circle the odd numbers in red and the even numbers in blue.

14	16	18	_____	_____	_____	_____	_____
15	20	25	_____	_____	_____	_____	_____
0	10	20	_____	_____	_____	_____	_____

15. Use the symbols \times , \div or $=$ to complete each number sentence.

7	<input type="text"/>	5	<input type="text"/>	35	6	<input type="text"/>	2	<input type="text"/>	12
40	<input type="text"/>	2	<input type="text"/>	20	30	<input type="text"/>	10	<input type="text"/>	3
90	<input type="text"/>	10	<input type="text"/>	9	60	<input type="text"/>	5	<input type="text"/>	12

16. Write a multiplication and division sentence for each set of numbers.

2, 9, 18	<input type="text"/>	x	<input type="text"/>	=	<input type="text"/>	<input type="text"/>	÷	<input type="text"/>	=	<input type="text"/>
11, 5, 55	<input type="text"/>	x	<input type="text"/>	=	<input type="text"/>	<input type="text"/>	÷	<input type="text"/>	=	<input type="text"/>
80, 8, 10	<input type="text"/>	x	<input type="text"/>	=	<input type="text"/>	<input type="text"/>	÷	<input type="text"/>	=	<input type="text"/>

17. Write a multiplication sentence, a division sentence, and a repeated addition sentence to describe each array.

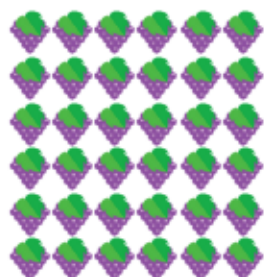


×

=

÷

=

[illegible]

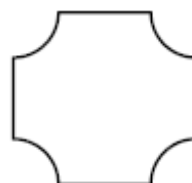
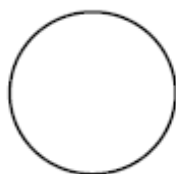
Lesson 5:

Fractions

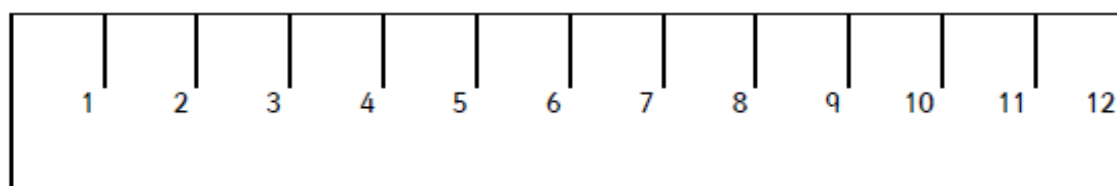
18. Shade $\frac{1}{2}$ of each of these shapes.



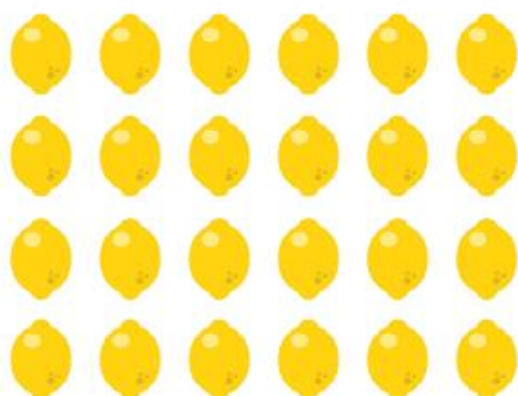
19. Shade $\frac{1}{4}$ of each of these shapes.



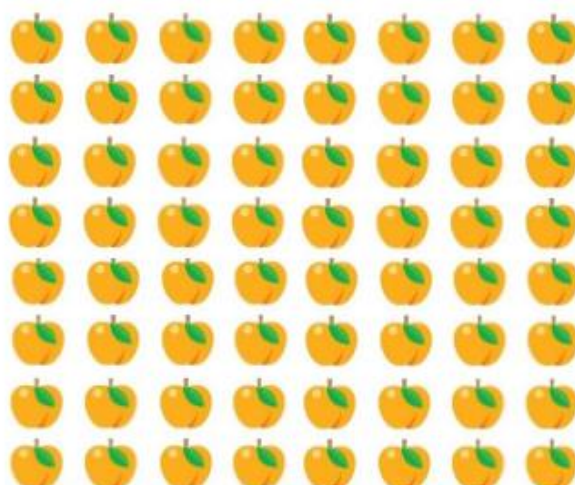
20. Shade $\frac{1}{3}$ of this ruler.



21. Circle $\frac{2}{4}$ of the lemons.



Circle $\frac{3}{4}$ of the peaches.



22. Calculate the given fraction of each whole number.

$$\frac{1}{4} \text{ of } 24 = \boxed{}$$

$$\frac{1}{2} \text{ of } 22 = \boxed{}$$

$$\frac{1}{2} \text{ of } 18 = \boxed{}$$

$$\frac{3}{4} \text{ of } 32 = \boxed{}$$

23. Circle the fractions that are equal.

$\frac{2}{4}$

$\frac{1}{3}$

$\frac{1}{2}$

$\frac{1}{4}$

Measurement

24. Order the following lengths from tallest to shortest.

76cm	12cm	102cm	34cm	58cm

25. Order the following weights from heaviest to lightest.

54kg	79kg	17kg	24kg	42kg

26. Use the <, > or = symbols to compare the following measurements.

42 kg		35 kg	64 l		47 l
46 cm		92 cm	25 m		25 m
27 °C		18 °C	263 ml		271 ml

27. You have the following coins in your piggy bank.



a. What is the total amount of money in your piggy bank?

b. Using only the coins pictured above, show two different ways to make:

61p	£1.50	£3.01

28. You have 97p. You buy three bags of sweets for 23p each. How much change will you receive? Show your workings in the space below.

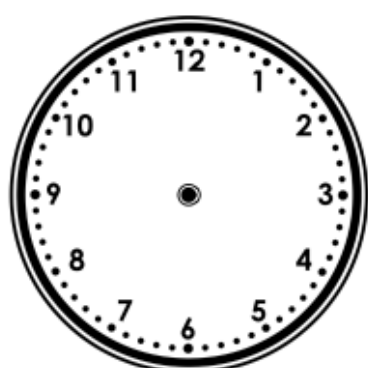
29. Use the $<$, $>$ or $=$ symbols to compare the following lengths of time.

45 minutes 1 hour 2 hours 90 minutes
 Quarter of an hour 15 minutes Half an hour 20 minutes

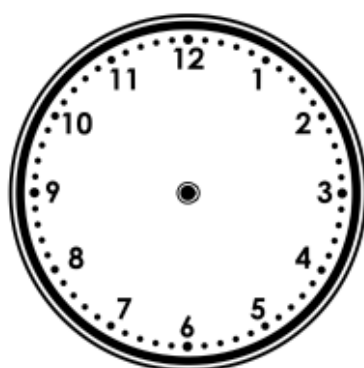
30. How many minutes are in one hour?

31. How many hours are in one day?

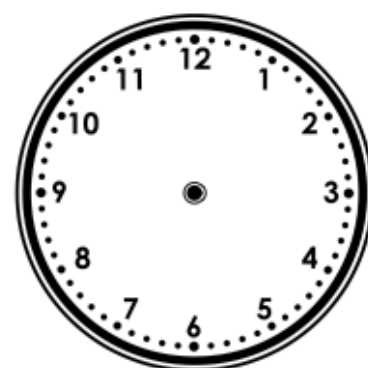
32. Draw hands on the clocks to show these times.



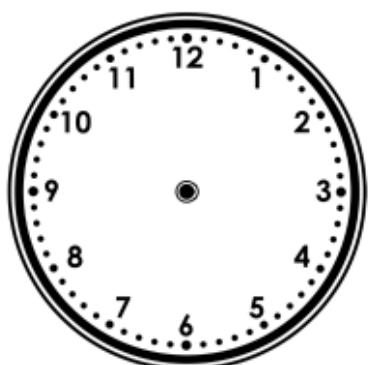
Five minutes past six



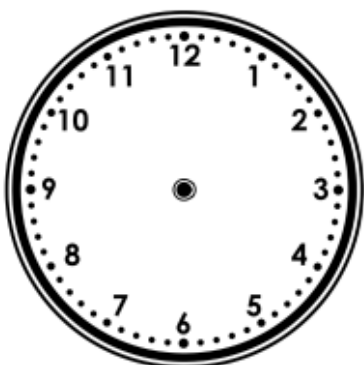
Twenty minutes to ten



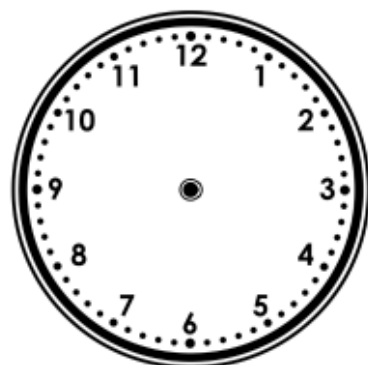
Ten minutes past four



Five minutes to eight



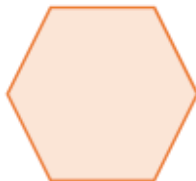
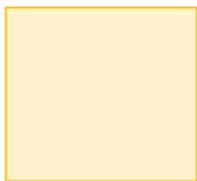
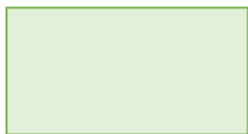
Quarter to one



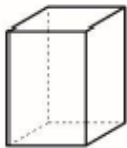

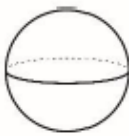
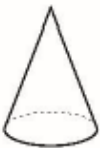
Ten minutes to three

Geometry

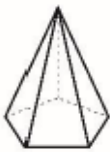

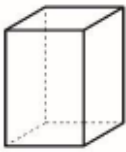
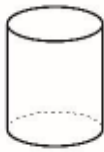
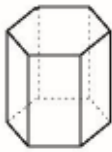
33. Write the number of sides each shape has in the boxes below. Then, draw a vertical line of symmetry through each of the shapes.



34. Fill in the table with the properties of the 3D shapes.

				
Name of shape				
edges				
vertices				
faces				
curved surfaces				

35. List any 2D shapes you see on the surface of each of the following 3D shapes.

36. Repeat the patterns and complete each sequence.



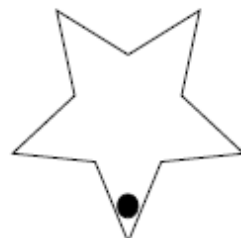
37. Look at the star. Match each shape below to the degree of rotation from the word bank.

half turn

quarter turn
clockwise

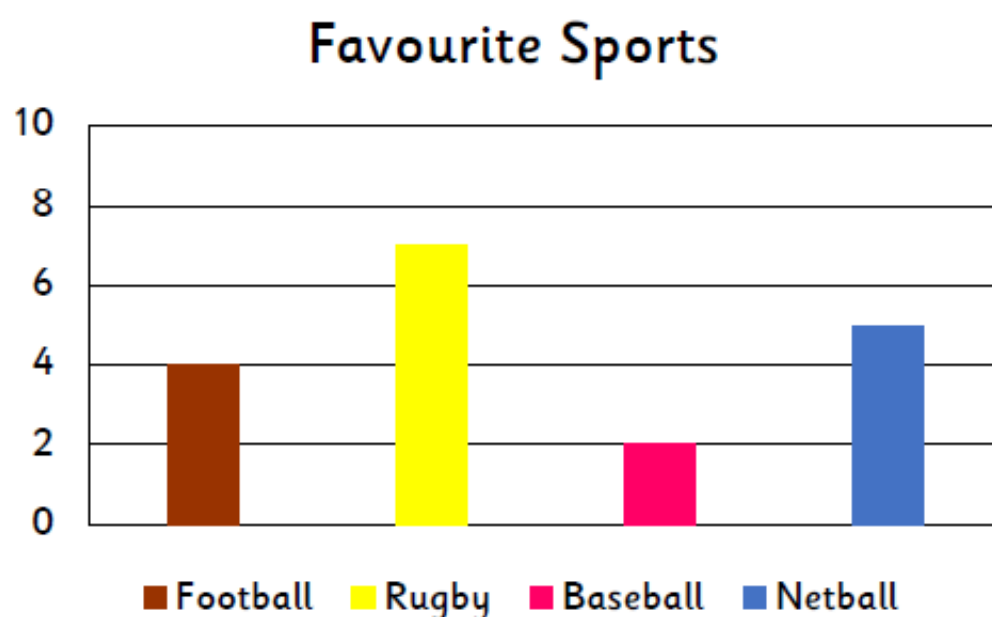
whole turn

three-quarter turn
clockwise



Statistics

38. Read the bar chart and answer the questions below.



a. What is the most popular sport?

b. What is the least popular sport?

c. How many people voted in total?

d. List the four sports from most to least popular.

e. Fill in the tally chart below to show the number of votes for each sport.
