

Annual Examinations for Primary Schools 2011

YEAR 5

MATHEMATICS

TIME: 1h 15min

Name: _____

Class: _____

1. Fill in:

a)	$35 + \boxed{} = 100$	
b)	$11.3 - 5.67 =$	<input type="text"/>
c)	$49 \div 7 =$	<input type="text"/>
d)	$\boxed{} \times 13 = 325$ $325 \div 25 = \boxed{}$	
e)	Write the number one hundred and twenty-four thousand three hundred and eight in figures.	<input type="text"/>
f)	What is the value of 5 in 54,037?	<input type="text"/>
g)	Multiply 457 by 100.	<input type="text"/>
h)	Round 56.76 to the nearest whole number.	<input type="text"/>
i)	$30 + \boxed{} = \text{double } 18 = 6 \times \boxed{}$	
j)	How much longer is 366 m than 146 m?	<input type="text"/>
k)	$2 \frac{1}{2}$ hours = <input type="text"/> hours + <input type="text"/> minutes	
l)	Underline the heaviest weight. 2.5 kg 250 g 2050 g	

2. Here is a set of cards. Each card may be used **more** than once.



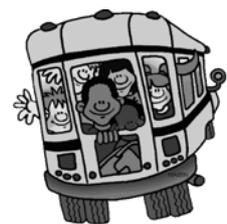
a) Which **two** numbers have a total of 16?

b) Which **three** numbers make 12 when added together?

c) Which is the **largest three digit number** you can make?

d) Which two numbers give 72 when **multiplied**?

3. A group of 4 friends are going on a 120 km trip. The cost per person of using a bus is **5c for each kilometre**.



a) Work out the cost of the trip for 1 person.

€ _____

b) Work out the total cost of the trip for the four friends.

€ _____

4. Fill in the empty boxes.

Mark the odd number.
22, 15, 6, 24, 48

Double it.

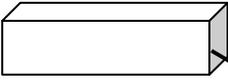
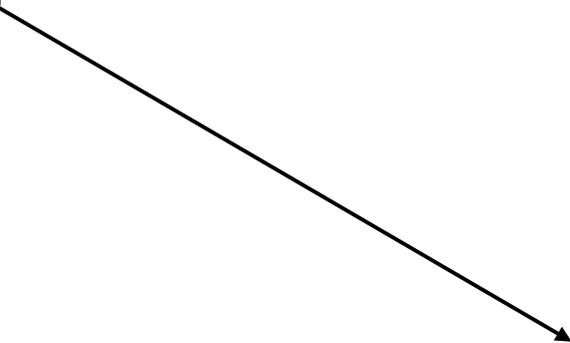
Subtract 10.

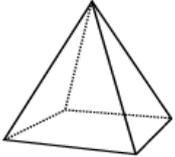
Halve it.

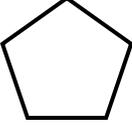


The diagram shows a sequence of operations. It starts with a box containing the numbers 22, 15, 6, 24, and 48. An arrow points to a box labeled 'Double it.' with an empty box below it. Another arrow points to a box labeled 'Subtract 10.' with an empty box below it. A final arrow points to a box labeled 'Halve it.' with an empty box below it. A cartoon character with a question mark above their head is positioned between the first and second boxes.

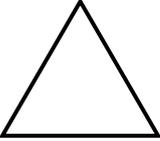
5. Match the shapes with the correct names.

a)  

b) 

c) 

d) 

e) 

equilateral triangle

isosceles triangle

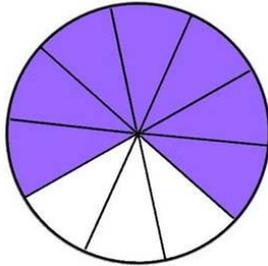
cuboid

pentagon

pyramid

6. Complete.

a) What fraction of the circle is i) shaded?



ii) not shaded?

b) Which of these fractions is equal to 0.7?
Circle the correct answer.

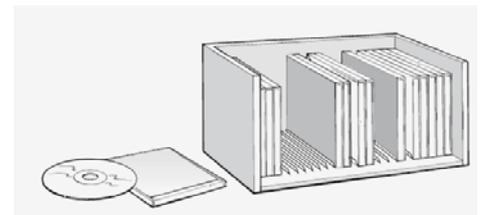
$\frac{7}{10}$ $\frac{7}{100}$ $\frac{70}{1000}$

c) Write down a fraction equivalent to

$$\frac{\boxed{3}}{\boxed{10}}$$

$$\frac{\boxed{}}{\boxed{}}$$

7. Here is a CD rack. The rack holds 35 CDs.



a) David has 94 CDs. How many racks are needed to hold all his CDs?

_____ racks

b) Tim has 6 racks full of CDs. How many CDs does Tim have?

_____ CDs

8. This is a rectangular field.

75 m

The **perimeter** of the field is **210 m**.

One of the sides is 75 m long.



a) How long is the shorter side of the field?

Length = _____

b) Work out the perimeter of a **square** field of side 17 m.

Perimeter = _____

9. a) Complete.

i) 250, 275, 300, _____, 350

ii) 95, 78, 61, 44, _____, 10

iii) $703,550 = 700,000 + \underline{\hspace{2cm}} + 500 + 50$

iv) $\underline{\hspace{2cm}} = 63,000 + 60 + 8$

b) Put in order, **largest first**.

i)

2·35	2·06	12·19	1·21
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ii)

975	749	235	1032
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10. Mum wants to bake a Birthday Cake. She uses this recipe.

Birthday Cake Recipe

water	568 ml
butter	90 g
sugar	120 g
flour	300 g
eggs	2
almond essence	1 teaspoon

Mum decides to double the ingredients to make a larger cake.



a) How many litres of water does she need?

___ l ___ ml

b) How many grams of flour does she need?

_____ g

c) How much flour will be left from a 1 kg bag of flour?

_____ g

11. These are the charges for children who use the local swimming pool.

Swimming Pool Charges for children

Time	Charge
up to 1 hour	75c
2 hours	€1.50
3 hours	€2.00
Over 3 hours	€3.00



a) Paul and Jack go to the swimming pool for 45 minutes. How much do they pay **altogether**?

€ _____

b) Kim and her two brothers go to the pool from 8:50 to 10:50. How much do they pay?

€ _____

c) Adults pay **double the charge** for children. How much would it cost for Mum and two kids to swim for 4 hours?

€ _____

12. A school sports day started at 9:30am.

Kate, James, Pamela and Simon took part in the 100 m relay race.

Kate's time was 1 minute 34 seconds.

James finished 5 seconds **before** Kate.

Pamela finished 13 seconds **after** James.

Simon finished 7 seconds **after** Kate.



a) At what time did Pamela finish the race? Give your answer in seconds.

_____ seconds

b) What is the difference, in seconds, between Simon's finishing time and Kate's finishing time?

_____ seconds

c) Who placed first? _____

d) The sports day lasted for 4 hours 30 minutes. At what time did it finish?

13. Last year the Circus came to town.
480 people wanted to see the circus but only **half** of them got in.



- a) How many people were allowed in?

_____ people

- b) $\frac{1}{4}$ of the people who got in were adults. The **rest** were children.

How many **children** were at the circus?

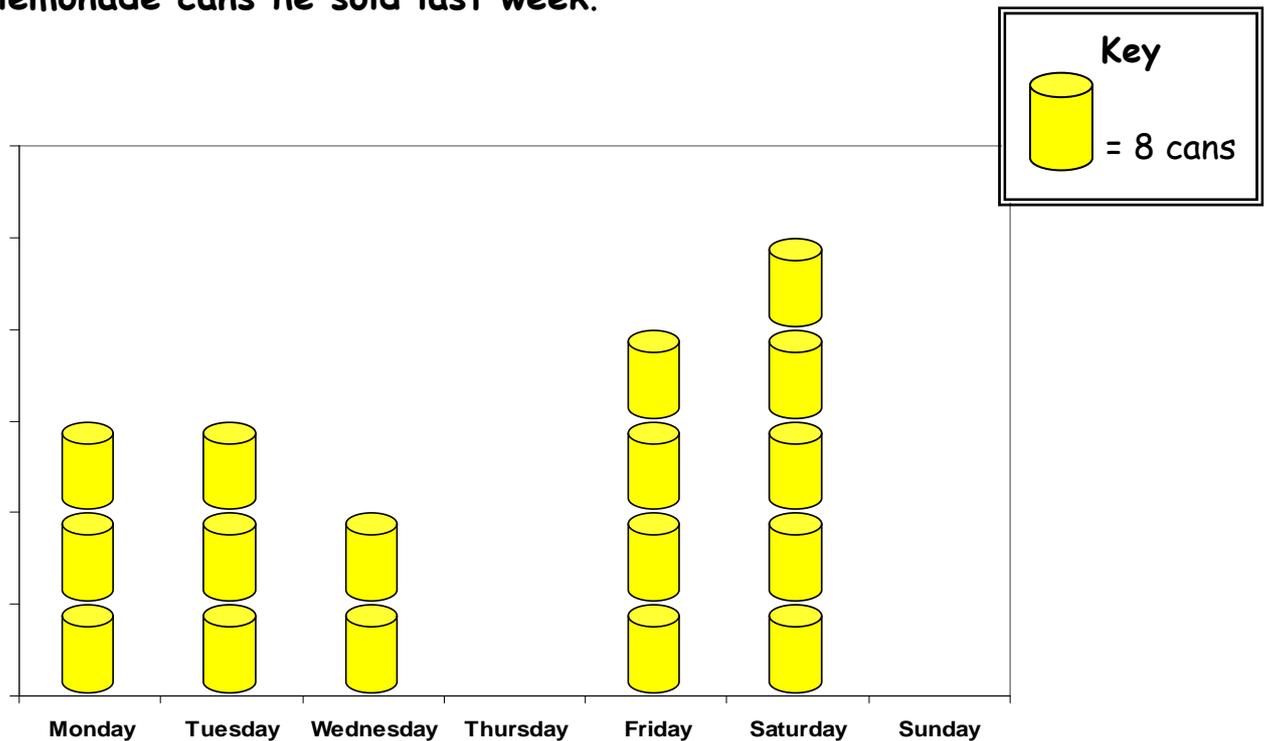
_____ children

- c) Complete:

Of all the people under the circus tent, $\frac{\boxed{}}{\boxed{}}$ of them were **children**

and $\frac{\boxed{1}}{\boxed{4}}$ were **adults**.

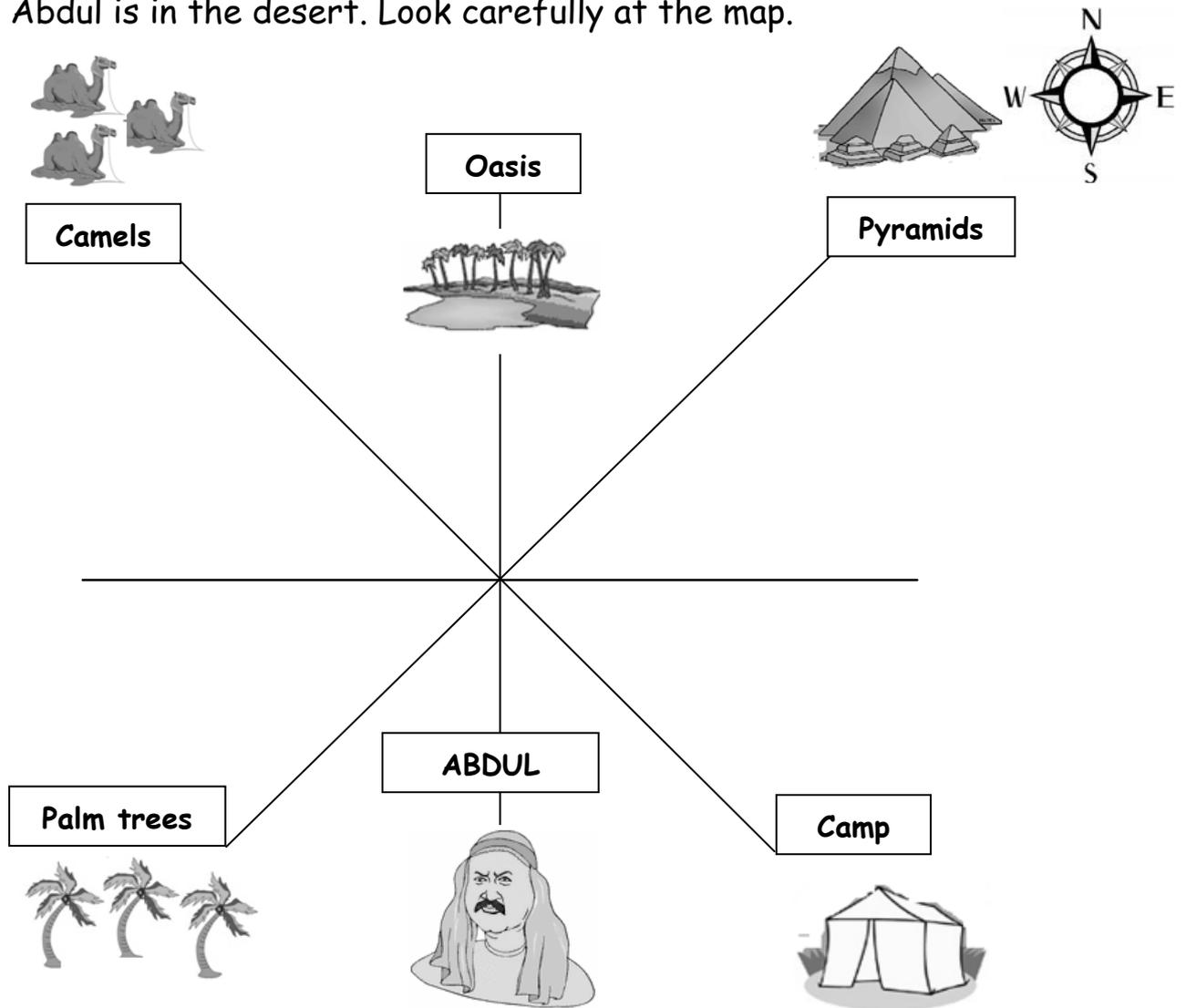
14. Daniel has a lemonade stand. This is a pictograph of **how much lemonade cans he sold last week.**



Look carefully at the graph. Fill in these sentences.

- a) On Friday, Daniel sold _____ cans of lemonade.
- b) On Tuesday and Saturday he sold _____ cans **altogether**.
- c) On Sunday he sold **twice as much** as he did on Monday. On Sunday he sold _____ cans of lemonade.
- d) On Thursday he sold 8 cans more than he did on Wednesday. On Thursday he sold _____ cans of lemonade.
- e) **Complete** the pictograph for Thursday and Sunday.

15. Abdul is in the desert. Look carefully at the map.



a) Fill in, using directions:

i) Abdul wants to go to the Oasis. He has to go _____.

ii) The Pyramids are _____ of the Palm trees.

iii) The Camp is _____ of the Camels and _____ of the Pyramids.

b) Abdul is facing **West**. He wants to go to the Pyramids. He has to turn

($3\frac{1}{2}$, $1\frac{1}{2}$, 2) right angles in (a clockwise , an anticlockwise) direction.

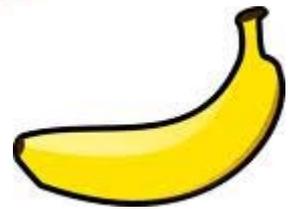
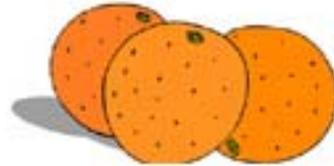
16.



Moyra decides to make a fruit salad, using bananas, oranges and kiwis.

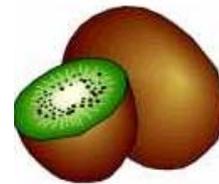
For every **one banana**, she uses **two kiwis** and **three oranges**.

In all, Moyra uses 18 fruits.



a) How many oranges does she use?

b) How many kiwis does she use?



c) Is it true that she uses an odd number of kiwis?

Give a reason for your answer.

END OF PAPER

Marks Scheme	Nos.	1 a - l	12×2	=	24
		2 - 8	7×4	=	28
		9 - 16	8×6	=	48
			TOTAL		<u>100</u>