DIRECTORATE FOR QUALITY AND STANDARDS IN EDUCATION
Department for Curriculum Management and eLearning
Educational Assessment Unit

Annual Examinations for Primary Schools 2011

YEAR 5	MATHEMATICS	TIME: 1h 15min

Name: _____   **Class:** _____

1. Fill in:

a)	$35 +$ ▭ $= 100$
b)	$11·3 - 5·67 =$ ▭
c)	$49 \div 7 =$ ▭
d)	▭ $\times 13 = 325$ $325 \div 25 =$ ▭
e)	Write the number one hundred and twenty-four thousand three hundred and eight in figures. ▭
f)	What is the value of **5** in **54**,037? ▭
g)	Multiply 457 by 100. ▭
h)	Round 56·76 to the nearest whole number. ▭
i)	$30 +$ ▭ $=$ double 18 $= 6 \times$ ▭
j)	How much longer is 366 m than 146 m? ▭
k)	$2 \frac{1}{2}$ hours $=$ ▭ hours $+$ ▭ 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.

| 3 | 5 | 7 | 4 | 8 | 9 |

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.
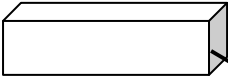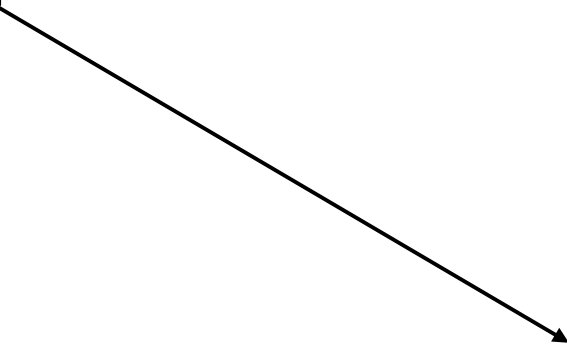
22, 15, 6, 24, 48

Double it.

Subtract 10.
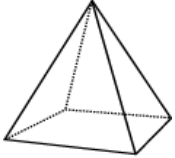
Halve it.

_____

5. **Match the shapes with the correct names.**
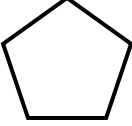
a)

b)

c)

d)

e)

equilateral triangle

isosceles triangle

cuboid
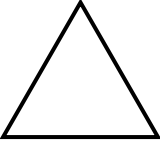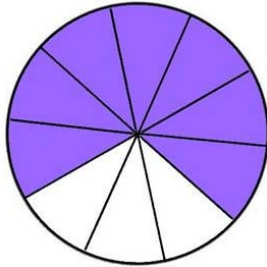
pentagon

pyramid

6. **Complete.**

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

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

ii) not shaded?

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

b) Which of these fractions **is equal to 0·7?**
   Circle the correct answer.

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

c) Write down a fraction equivalent to $\dfrac{\boxed{3}}{\boxed{10}}$. $\dfrac{\boxed{}}{\boxed{}}$

_____

7. Here is a CD rack. The rack holds 35 CDs.
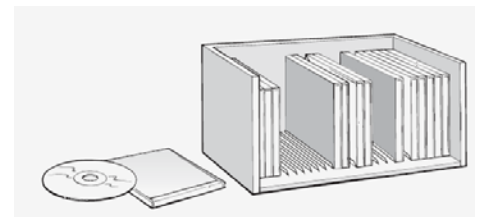
a) David has 94 CDs. How many racks are
   needed to hold all his CDs?

_____ racks

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

_____ CDs

8. This is a rectangular field.

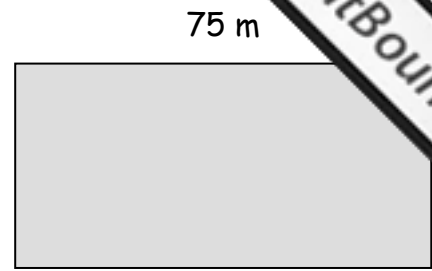The **perimeter** of the field is **210 m**.

One of the sides is 75 m long.

75 m

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 + _____ + 500 + 50

    iv) _____　=　63,000 + 60 + 8

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

i) | 2·35 | 2·06 | 12·19 | 1·21 | ⟶ | | | | |

ii) | 975 | 749 | 235 | 1032 | ⟶ | | | | |

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
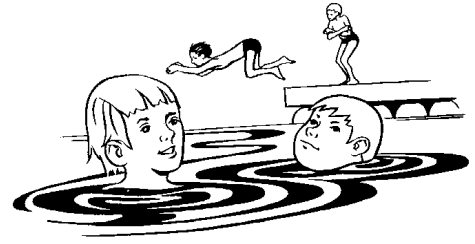
b) How many grams of flour does she need?

_____ 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 swimm

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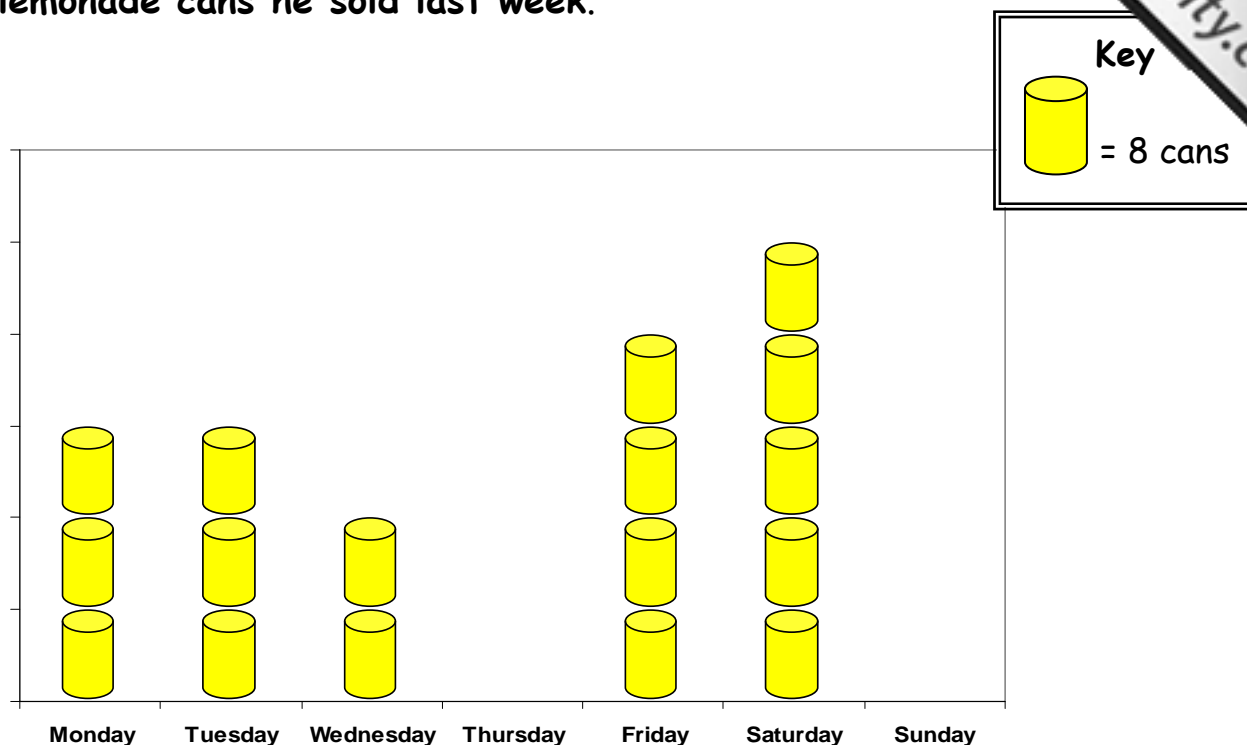
How many **children** were at the circus?

_____ children

c) Complete:

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

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

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

Key

= 8 cans

Monday   Tuesday   Wednesday   Thursday   Friday   Saturday   Sunday

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.

| Camels | Oasis | Pyramids |

W

S

ABDUL
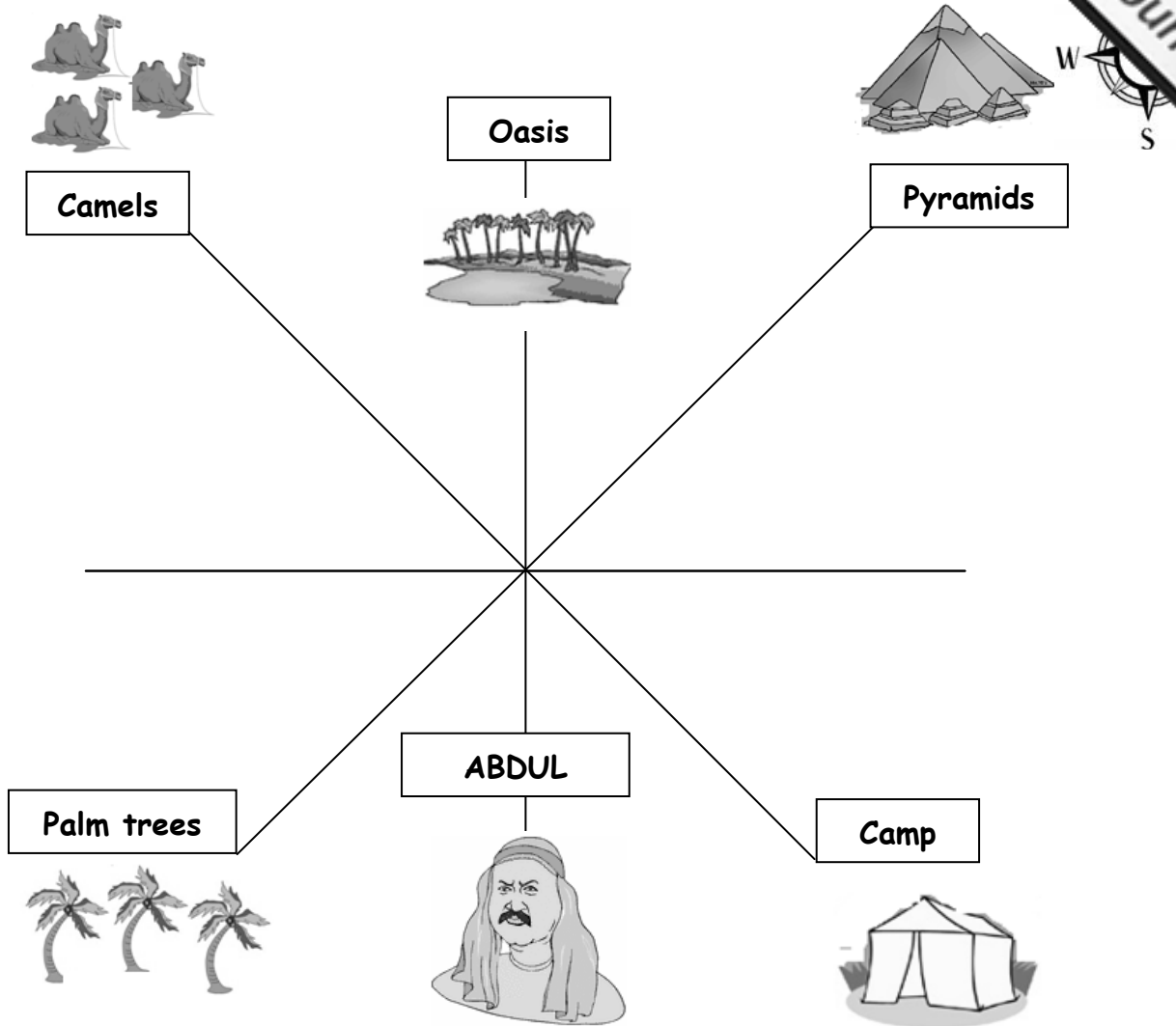
| Palm trees | | Camp |

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.
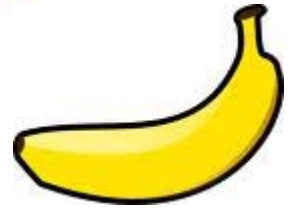
16.

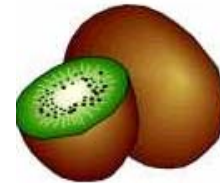Moyra decides to make a fruit salad, using bananas, oranges and kiwis.

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

In all, Moyra uses <u>18 fruits</u>.

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