



## MILLIMETRES AND CENTIMETRES

5 mm

3.6cm

17 mm

1 cm

8 mm

0.5 cm

36 mm

0.1 cm

50 mm

0.8 cm

27 mm

1.7 cm

1 mm

2.7 cm

10 mm

5 cm



## CENTIMETRES AND METRES

125 cm	5 m
35 cm	0.01m
250 cm	0.1m
50 cm	0.05 m
500 cm	0.35 m
5 cm	1.25 m
10cm	0.5 m
1 cm	2.5 m



## METRES AND KILOMETRES

100 m

0.4km

250m

8 km

2 500

0.25km

1 000 m

0.75km

750 m

0.8km

8 000 m

0.1k

800m

2.5 km

400 m

1 km



## BERT'S PENS

**Bert bought some pens costing 50p each.**

**He gave the shopkeeper £5.00 and received £3.50 change.**

**How many pens did he buy?"**



## PROBLEMS INVOLVING MONEY AND LENGTH

NAME ..... DATE .....

**A. For each item underline the length that you think is correct.**

1. The length of a new pencil.

3 cm          18cm          50cm          75cm

2. The length of your bed.

200 m          2mm          1m          2 m

3. The distance you can walk in 5 minutes.

4 km          40 km          400 m          40 m

4. The thickness of a pencil lead

0.7 mm          7 mm          7 cm          70 cm

**B**

1. Mrs. Knott's car is 4.58 metres long.  
She also has a boat which is 5.37 metres long and a caravan which is 6.2 metres long.

Write down a calculation and work out the total length of the car, the caravan and the boat.

Mrs. Knott's drive is 20 metres long.

Do a calculation to find out how much space is left in the drive if Mrs. Knott parks the caravan the boat and the car one in front of the other on the drive.

2.

George, the giraffe is 6.3m tall.

Edward, the baby elephant is 1.25m tall.

Do a calculation to find out how much taller George is than Edward.



Edward's dad, Edmund, is 2.8 metres taller than Edward. Do a calculation to find out how tall Edmund is?

3.

Tony is training for a 1 kilometre race. The distance round the running track is 400 metres. Tony runs round the track twice. How much further does he have to run to cover 1 kilometre?

-----

Tony is also running in the relay race. Four runners each run 400m.

Complete these sentences

The four runners run ----- metres altogether.

This is the same as ----- kilometres.



C.

1. This is the menu at the MEP burger bar.

MENU	
<b>Burger</b>	<b>£2.60</b>
<b>Hot Dog</b>	<b>£1.75</b>
<b>Chips</b>	<b>95p</b>
<b>Cola</b>	<b>72p</b>

Chris bought a burger, chips and a cola.

Complete this bill and work out the total.

Burger	
Chips	
Cola	
Total	_____
	_____

Chris paid his bill with a £10 note.  
Show how you would work out how  
much change Chris should get.

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2.

Ossie works in the MEP burger bar. He gets tips from his customers. The table shows how much he gets each day.

Monday	Tuesday	Wednesday	Thursday	Friday
£2.60	£1.95	£3.10	£1.85	£2.73

Write down a calculation and work out how much Ossie gets altogether.

A large empty rectangular box provided for the student to write their calculation and answer for the first problem.

Ossie wants to use his tips to buy a CD for £16.99. How much more money does he need? Show your working out.

A large empty rectangular box provided for the student to write their calculation and answer for the second problem.



## FRACTIONS AND PERCENTAGES OF QUANTITIES

NAME ..... DATE .....

A. Fill in the missing numbers in the table

Fraction	Decimal	Percentage
$\frac{2}{5}$		
	<b>0.75</b>	
		<b>30%</b>
$\frac{1}{2}$		
	<b>0.1</b>	
		<b>25%</b>
$\frac{9}{10}$		
	<b>0.7</b>	
		<b>100%</b>

B. Work out the answers to each of these questions.

1.  $\frac{1}{4}$  of 8 =

2.  $\frac{1}{5}$  of 20 =

3.  $\frac{1}{2}$  of 30 =

4.  $\frac{1}{7}$  of 42 =

5.  $\frac{1}{3}$  of 12 =

6.  $\frac{1}{9}$  of 27 =

7.  $\frac{1}{6}$  of 60 =

8.  $\frac{1}{8}$  of 40 =

9.  $\frac{1}{10}$  of 90 =

10.  $\frac{1}{2}$  of 17 =



**C. Work out the answers to each of these questions.**

1.  $\frac{2}{3}$  of 18 =

2.  $\frac{3}{4}$  of 12 =

3.  $\frac{2}{5}$  of 30 =

4.  $\frac{3}{7}$  of 21 =

5.  $\frac{5}{8}$  of 40 =

6.  $\frac{4}{9}$  of 18 =

7.  $\frac{5}{6}$  of 30 =

8.  $\frac{3}{5}$  of 80 =

9.  $\frac{7}{10}$  of 90 =

10.  $\frac{2}{3}$  of 99 =

**D. Fill in the numbers in the grid. The first line has been done for you.**

Quantity	50%	25%	75%	10%	20%	5%	35%
40	20	10	30	4	8	2	14
20							
80							
100							
240							
360							

## GRAMS AND KILOGRAMS

100 g                      0.99 kg

1600 g                    5 kg

500 g                      1.6 kg

2400 g                    0.1 kg

750 g                      3.85 kg

3850 g                    2.4 kg

990 g                      0.5 kg

5000 g                    0.75 kg




## MILLILITRES AND LITRES

250ml	1.4 <i>l</i>
3000ml	5 <i>l</i>
800ml	3 <i>l</i>
10ml	0.25 <i>l</i>
1750ml	3.85 <i>l</i>
2 500ml	0.01 <i>l</i>
1 400ml	0.8 <i>l</i>
5000ml	1.75 <i>l</i>



## PROBLEMS INVOLVING CAPACITY AND WEIGHT

NAME ..... DATE .....

**A. For each item underline the weight that you think is correct.**

- |                          |        |       |       |  |
|--------------------------|--------|-------|-------|--|
| 1. An apple              | 1 kg   | 500 g | 200 g | 20 g   |
| 2. A tea bag             | 200 g  | 3g    | 50 g  | 750g   |
| 3. A large dictionary    | 500 g  | 10 kg | 100 g | 1  kg |
| 4. A large loaf of bread | 0.8 kg | 3 kg  | 200 g | 5 kg   |

**B. For each item underline the capacity that you think is correct.**

- |                           |        |   |   |        |
|---------------------------|--------|---|---|--------|
| 1. A teaspoon of medicine | 50 ml  | 1  l | 5ml   | 20ml   |
| 2. A mug of coffee        | 750 ml | 300 ml  | 1  l | 100 ml |
| 3. A bucket of water      | 8 l    | 80 l  | 800 l   | 8ml    |
| 4. An electric kettle     | 4 l    | 1.7l  | 250ml   | 6.8l   |

**C. For each of these questions show the working out.**

1.

David is baking. He used 250 grams of sugar to make a cake and 175 grams of sugar to make some biscuits.

--

How much sugar is left out of a 1 kilogram bag?

--

David also needs 3 kilograms of sugar to make some jam.

How much more sugar does he need?

--

How many 1 kilogram bags of sugar should David buy so that he can make the jam?

--

2.

Kate buys a one litre bottle of cola. Andrea buys three, 330 millilitre cans of cola.

--

How much cola has Andrea got altogether?

**Complete this sentence**

\_\_\_\_\_ has \_\_\_\_\_ more cola than \_\_\_\_\_.



3. This is Mr. Jones shopping list.

250 grams of butter  
1½ kilograms of flour  
1 kilogram of carrots  
500 gram packet of biscuits

What is the total weight of Mr. Jones' shopping in grams?

What does the shopping weight in kilograms?


4. Asif has a half litre bottle of medicine.

The label says:

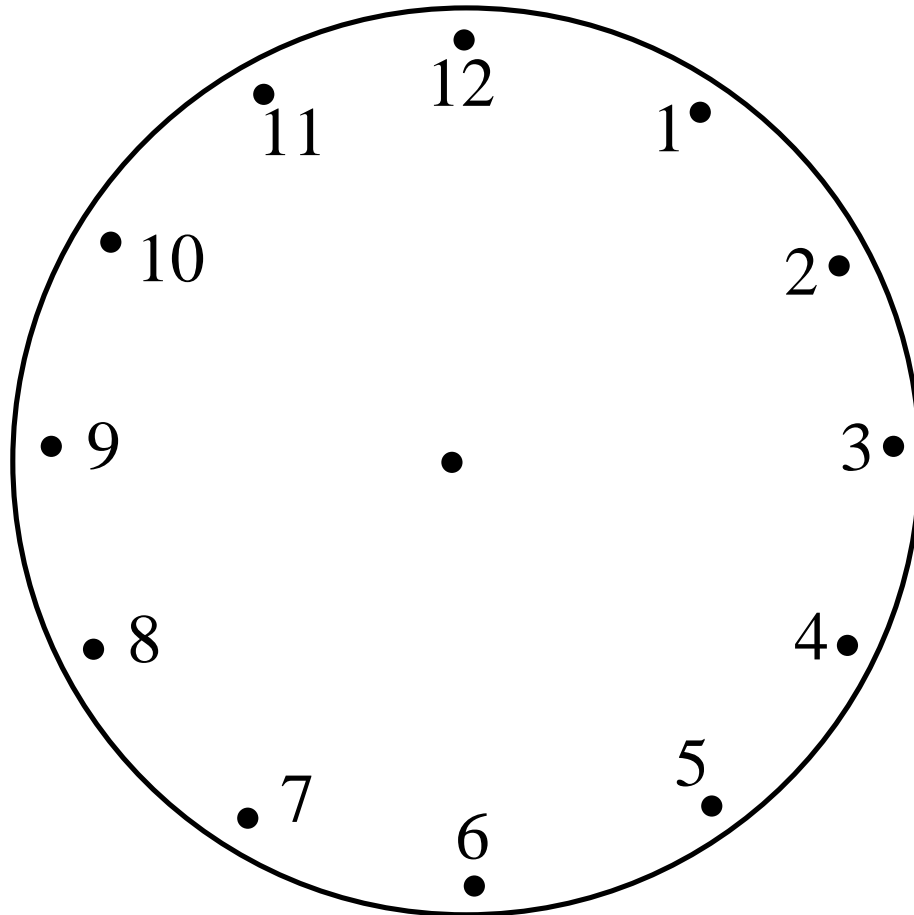
Take 5 millilitres  
4 times a day

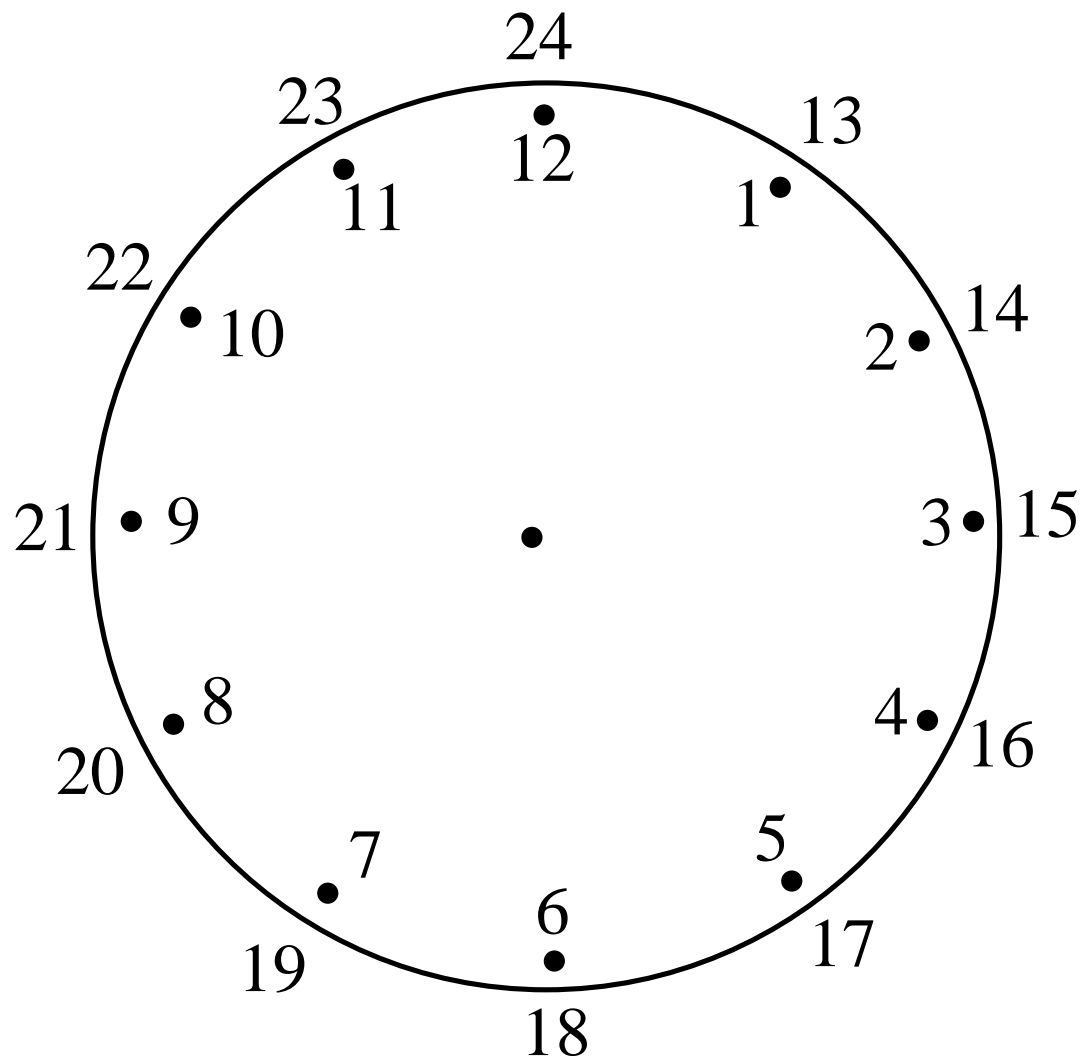
How much medicine does Asif take altogether in one day?

How much medicine does Asif take in five days?

For how many days will the medicine last?


## 12 – HOUR CLOCK



24 – HOUR CLOCK

**BUS TIMETABLE**

Depart Bus Station	1300	1400	1500
High Street	1310	1410	1510
Smith Street	1316	1416	1516
Market	1318	—	1518
Manchester Road	1324	—	1524
Partington Street	1329	1425	—
High Street	1335	1431	—
Arrive Bus Station			



### MAD MINUTES TIME

NAME .....

Time

minutes

DATE .....

Total

When the teacher says “GO!”, fill in the answers to the questions as quickly as you can. When you have finished, shout “STOP!”. The teacher will tell you how long it took to answer the questions. Write your time in the box at the top of the page.

#### How many:

1. Minutes in one hour -----
2. Seconds in a minute -----
3. Hours in a day -----
4. Days in a week -----
5. Minutes in  $\frac{1}{2}$  of an hour -----
6. Days in 3 weeks -----
7. Seconds in  $\frac{1}{4}$  of a minute -----
8. Hours in  $\frac{1}{3}$  of a day -----
9. Days in 10 weeks -----
10. Seconds in 2 minutes -----
11. Minutes in  $\frac{3}{4}$  of an hour -----
12. Hours in  $\frac{2}{3}$  of a day -----
13. Seconds in  $\frac{1}{10}$  of a minute -----
14. Hours in 10 days -----

**How many:**

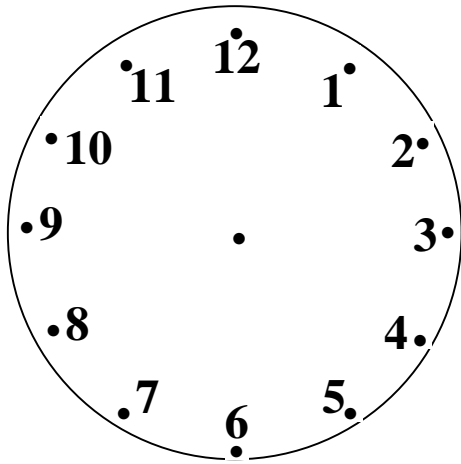
15. Minutes in 5 hours -----
16. Days is 48 hours -----
17. Hours is 120 minutes -----
18. Weeks is 28 days -----
19. Minutes is 180 seconds -----
20. Hours is 600 minutes -----
21. Minutes is 90 seconds -----
22. Hours is 75 minutes -----
23. Days is 36 hours -----
24. Weeks is 56 days -----
25. Minutes is 360 seconds -----

TIME

NAME ..... DATE .....

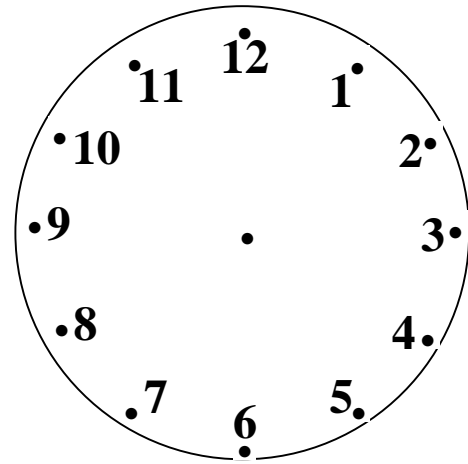
A. Draw the hands in the correct positions on each clock face to represent the times given.

1.



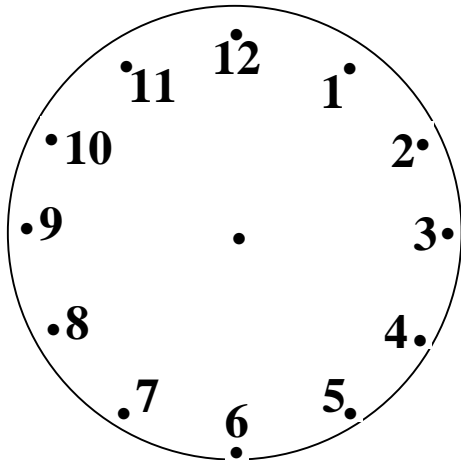
8.35

2.



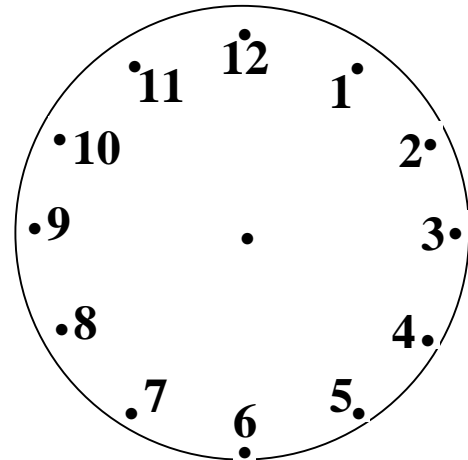
10.40

3.



Twenty to two

4.

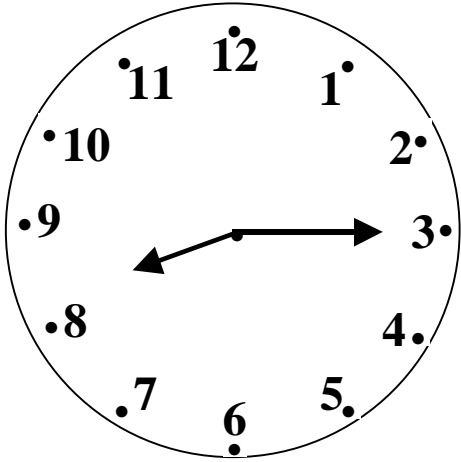


Twenty five past seven



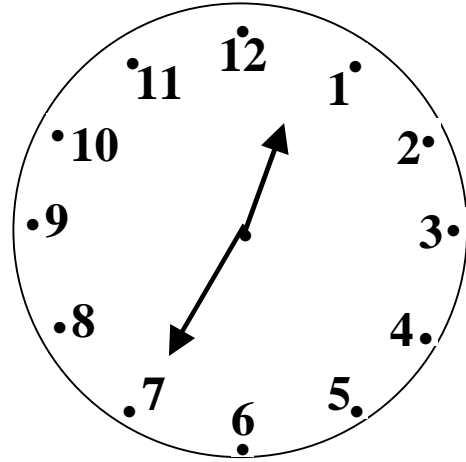
**B. Underneath each clock, write the time shown on the clock face in words and in figures**

1.



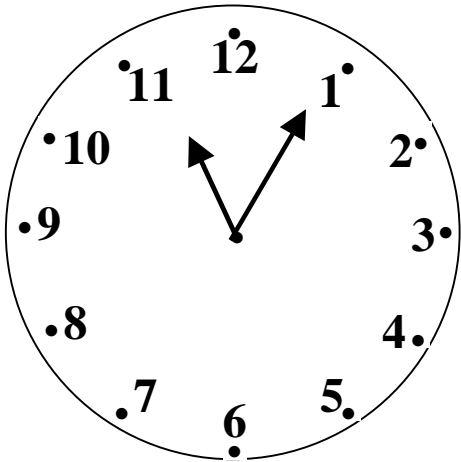
.....  
 .....

2.



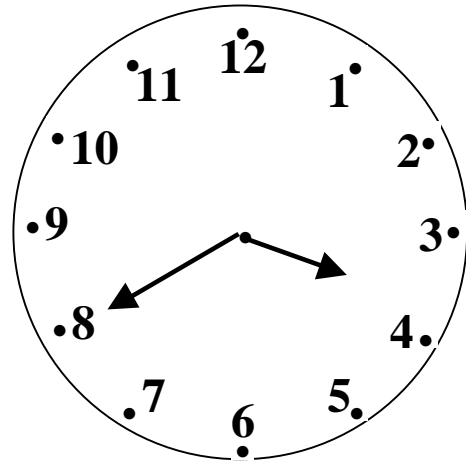
.....  
 .....

3.



.....  
 .....

4.



.....  
 .....



C. Complete the table below showing 12 - hour and 24 - hour clock times.  
An example has been done for you.

12-HOUR CLOCK		24-HOUR CLOCK
	6.15 am	0615
1.	8.20 pm	
2.		1930
3.	9.05 am	
4.		0750
5.	6.35 pm	
6.		2110
7.	12.25 pm	
8.		2355
9.	2.55 am	
10.		0005